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INTRODUCTION

This report details the activities of the Petroleum Resources Division and the Province's petroleum industry during 1986. Its purpose is to explain the role of the Division staff and provide persons interested in British Columbia's petroleum industry with an account of the industry's accomplishments.

The report is divided into three sections (1) Petroleum Resources Division Organization, (2) Review of Industry Activities and (3) Highlights of Division Activities. A series of tables and illustrations forms the last section of the report and provides important information on petroleum industry operations in 1986.

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DIVISION ORGANIZATION

The Petroleum Resources Division, under the general direction of an Assistant Deputy Minister, administers the *Petroleum and Natural Gas Act*, the *Geothermal Resources Act*, and the *Petroleum Underground Storage Act*. The Division enforces the regulations made under the three Acts: Drilling and Production Regulations, Geophysical Regulations, Drilling Licence Regulations and Development Road Regulation under the *Petroleum and Natural Gas Act*; Geothermal Drilling and Production Regulations and Administrative Regulations under the *Geothermal Resources Act*. The Division is responsible for all matters related to the disposition of provincially-owned petroleum, geothermal and underground storage rights as well as the regulation of the exploration, development, and production phases of the related industries.

The Division includes the Engineering and Operations Branch, the Geology Branch, the Titles Branch, a Mediation and Arbitration Board and an Offshore Petroleum Co-ordinator.

ENGINEERING AND OPERATIONS BRANCH

The Engineering and Operations Branch, under a Director, is responsible for all engineering and operational activities of the Petroleum Resources Division.

There are four main functions:

(1) Enforcement of the Drilling and Production Regulations under the *Petroleum and Natural Gas Act* and *Geothermal Resources Act* together with provisions of advice to the Minister with respect to applications made by industry under the Acts.

(2) Collection, filing for Division and public use, and publication of drilling and production statistics, production and disposition data, reservoir, and pool performance data.

(3) Reservoir analysis of all pools in the Province, including maintenance of current production rate forecasts together with data concerning reserves discovered to date and estimates of potential reserves growth.

(4) Providing advice to other government agencies on petroleum and geothermal industry matters.

The Development Engineering Section, under the supervision of the Senior Development Engineer, licences drilling and service rigs, issues well authorizations, and maintains detailed records pertaining to all drilling and production operations.

The Reservoir Engineering Section, under the Chief Reservoir Engineer is concerned with all reservoir engineering aspects of the Branch's activities. The section is responsible for determination of

reservoir and production characteristics of pools in the Province. This involves interpretation of reservoir pressure, rock and fluid properties and production data. These parameters are used to forecast ultimate recoveries obtainable from accumulations in the Province, and the rates at which these volumes will be produced. The Section sets oil and gas allowable rates and deals with industry recommendations concerning improved recovery schemes.

The District Office (Field Operations Section) located in Charlie Lake near Fort St. John, in northeast B.C., is under the Manager - Field Operations, and consists of a field inspection group, a project and geophysical group, a core storage group, and secretarial staff. The District Office represents the Petroleum Resources Division in the field and is responsible for enforcement of regulations in drilling and production operations and for liaison with industry operations and other Ministries. On-site inspections are also made as required in the Fernie, Nechako and southwestern portions of the Province. Additional functions performed by the district office staff include collecting reservoir data, carrying out studies of operating procedures, and maintaining core and drill sample storage and examination facilities.

GEOLOGICAL BRANCH

The Geology Branch consists of three sections under the general guidance of the Director of Geology. The Branch is responsible for the compilation and assessment of geological information related to the exploration and development of petroleum, natural gas and geothermal resources within the Province; assisting in the framing of development procedures to ensure conservation and the best returns from these resources; estimating the undiscovered potential of the hydrocarbon and geothermal resource base; and providing data and advice to attract and stimulate the private sector to undertake active exploration and development programs.

The Economic Geology Section, under the supervision of the Senior Economic Geologist, provides and maintains a geological data base which promotes the efficient management of petroleum and natural gas resources. Regional evaluation work carried out on oil and gas productive horizons provides basic data used in assessing the remaining undiscovered potential. These data are also used in the evaluation of lands posted for the disposal of Crown petroleum and natural gas rights.

Reservoir Geology, under the supervision of the Senior Reservoir Geologist, is primarily concerned with the detailed knowledge of the geology of oil and gas reservoirs. This knowledge is constantly used by the Division in framing development procedures to ensure conservation and the best returns from these reservoirs.

The Geophysical Section, under the supervision of the Senior Geophysicist, is responsible for geophysical matters related to the exploration for and the development of petroleum, natural gas and geothermal resources. Primary functions include the provision of geophysical services to Geology and Titles in subsurface mapping, and assessment of information and material submitted in support of land tenure renewal, and work requirements pursuant to the *Petroleum and Natural Gas Act*, and the *Geothermal Resources Act*.

TITLES BRANCH

The Titles Branch consists of three sections under the direction of the Commissioner. The Branch is responsible for administering those parts of the *Petroleum and Natural Gas Act*, the *Geothermal Resources Act*, the *Underground Storage Act* and associated regulations relating to and affecting title to provincial petroleum, natural gas and geothermal rights. In addition, the Branch administers the disposition of provincial petroleum and natural gas exploration rights monthly, with the exception of December.

The Lease Administration Section, under the Manager, Land Administration, is responsible for the issuing of petroleum and natural gas permits, leases, drilling licences, etc. The Section is also responsible for recording transfers of title and encumbrances that are received and approved. In addition, geophysical licences, notice of commencement of exploratory work, affidavits of work and unit agreements are approved and processed.

The Revenue Section, under the Senior Accounting Clerk, is responsible for the collection of all fees and rentals payable to the province under the provisions of the various statutes governing the operation of the Branch. The Section also receives and accounts for security and performance deposits required under these statutes and associated regulations.

The Draughting Section, under the Senior Draughting Technician, is responsible for preparing and maintaining up-to-date maps on which are displayed the outline of each tenure that is issued, including the valid stratigraphic formations when required, and the location and status of all wells drilled. The Section is responsible for maintaining up-to-date seismic road and trail maps, petroleum development road maps and various other maps and miscellaneous items required by the Branch in order to provide effective service to the public. The Section also provides draughting services to other Divisions of the Ministry as well as to the Ministry of Finance and Corporate Relations when required.

The Titles Branch is also responsible for the disposition and administration of rights to explore for and develop geothermal resources.

OFFSHORE PETROLEUM COORDINATOR

Offshore staff under the direction of the Assistant Deputy Minister, Petroleum Resources, develop British Columbia's policies on offshore oil and gas activities, and coordinate preparation and planning for the resumption of exploration off the British Columbia coast.

MEDIATION AND ARBITRATION BOARD

The Board facilitates negotiations between petroleum industry operators and landowners for access to potentially petroleum-bearing lands.

THE PETROLEUM INDUSTRY IN 1986

The petroleum industry in Western Canada felt the pronounced impact of the drop in world prices which affected all petroleum producing areas. In British Columbia, seismic exploration and exploration drilling reflected the restricted market outlook with a 40 percent drop in activity.

Development drilling was less affected. Gas well completions were down by 20 percent, as only 39 new natural gas wells were brought on stream during the year. Development drilling in established oilfields was sustained at the level of the previous year due to the effect of incentive measures put in place in 1985, including an attractive royalty regime for oilwells. The majority of this activity took place early in the year.

Exploration in 1986 continued into sedimentary basins outside the Northeastern part of British Columbia, which has been the only petroleum producing area to date.

Two wells were drilled and abandoned on Vancouver Island. Additional drilling took place on Vancouver Island to evaluate the potential for extracting methane in commercial quantities from coal seams.

Three wells were drilled in Southeastern British Columbia. At year end, one well was drilling south of Cranbrook in an area not previously tested for hydrocarbons, and a well authorization had been requested for a well near the town of Sparwood. The potential for sour gas in these wells has brought the related health and safety issues to local community attention.

Production of oil and natural gas remained steady despite the drop in drilling operations. Oil production increased by three percent while natural gas volumes delivered declined by nine percent.

The petroleum industry remained at the forefront of resource sectors in its importance to British Columbia, but petroleum revenues were sharply down from the previous year. Returns from the disposition of Crown rights were $20 million, a 67 per cent reduction. Fees and rentals on Crown rights declined 15 per cent, while royalties collected on oil and natural gas production declined 40 per cent and 27 per cent respectively.

Fiscal data for 1986 was as follows:

Value of Production

	$
Crude Oil	230 000 000
Field Condensate	2 000 000
Marketable Natural Gas	464 000 000
Gas Plant Liquids	42 000 000
Sulphur	43 000 000
Totals	781 000 000

Provincial Revenue from the Petroleum Industry

Rentals and Fees	39 000 000
Crown Reserve Dispositions	29 000 000
Royalties (oil and products)	57 000 000
Natural Gas Royalties (or equivalents)	59 000 000
Processed Products and Penalties	4 000 000
Totals	188 000 000

DRILLING

The number of wells spudded during 1986 decreased by almost 50 per cent from 1985, although most of this reduction affected exploration drilling. 145 000 meters of development drilling took place, a 0.5 per cent reduction from 1985, while only 121 000 meters of exploratory drilling occurred in 1986, a 27.9 per cent decrease from the previous year. (See Table P.8).

	1985	1986
Oil Wells	78	47
Gas Wells	48	39
Abandoned Wells	76	52
Service Wells	2	3
Standing Wells	45	24
Total	249	165

PRODUCTION

The Boundary Lake field continues to be the most important oil producing field in British Columbia, accounting for 30 per cent of the provincial total. A comparison of provincial production performance in 1985 and 1986 indicates that as of December 1986 there were 641 producing oil wells, an 8 per cent reduction over 1985, and 637 producing gas wells, a one per cent increase over 1985.

A comparative summary of oil and gas production by volume is as follows:

	Units	1985	1986	Variance
Oil				
Annual Production	10^3m^3	1958	2037	4% increase
Average Daily Production	m^3/day	5364	5580	4% increase
Gas (Non Associated)				
Annual Production	10^6m^3	8291	7958	4% decrease
Average Daily Production	10^3m^3/d	22714	21801	4% decrease

As in previous years the four main producing gas fields, by volume of raw gas, were Sierra at 1494 10^6m^3; Yoyo 1461 10^6m^3; Clarke Lake 465 10^6m^3; and Laprise Creek 363 10^6m^3. These fields recorded an average 12.5 per cent decline in annual production and accounted for 45 per cent of 1986 gas production versus 52 per cent in 1985.

A significant event in 1986 was the start-up of gas production from the Sikanni field and new gas plant, and from the Kelly fields tied-in to the Elmsworth plant in Alberta.

A summary of monthly drilling and production results is presented on Table P8 while detailed production volumes by fields are presented on Table P9 and P10.

FIELD ACTIVITY

During 1986 several new projects with significant implications to field operations were commenced.

First, during February 1986, Remington Energy Ltd. made application to construct and operate a gas processing plant at Sikanni, located approximately 24 Km west of Km 251 Alaska Highway, capable of processing 845 10^3m^3 per day of gas and transporting it to the Fort Nelson processed gas sales line. Construction of both plant and transmission line was completed in October 1986 and the plant commenced production November 1, 1986.

The second significant project was the extension pipeline into the B.C. Canadian Hunter Kelly/Windsor area from the Alberta Elmsworth pipeline system. This was the first instance where British Columbia gas was transported via the Alberta pipeline system and to an Alberta plant rather than into the Westcoast system.

No uncontrolled blow outs occurred during 1986, although several controlled incidents are worthy of mention.

The first occurred at the well Dome et al Romeo d-55-B/94-I-14 when, after setting intermediate casing at 1910 meters, massive lost circulation occurred at 1967 meters. During the preparation of new circulation material, the well kicked and started to flow. The company fought lost circulation for 11 days and being unsuccessful decided to drill ahead to total depth. An additional nine days drilling were required before production casing was run and the well was brought under control ready for completion as a gas well.

A somewhat less serious problem occurred when the well Scurry et al W Stoddart 14-22-85-20 experienced a flow of gas while drilling. The gas was diverted to flare through the degasser. However the volume was

greater than the degasser could separate, resulting in the gas being diverted directly to flare. Occasional slugs of water and condensate made it difficult to keep the flare lit continuously, with the result that some drilling mud, bit cuttings and salt water were spread over an area estimated at 600 meters x 350 metres northeast of the well site. Concentrations of hydrogen sulfide at the nearest residence occasionally approached evacuation levels during the period the flare was unlit. The following afternoon heavy mud was pumped down the well and the flow was controlled. The well was then drilled to final total depth and completed as a Belloy oil well.

Due to badly corroded production casing, CEGO et al Flatrock 10-27-84-16, a producing gas well, had to be prematurely abandoned. During a procedure to repair a suspected tubing leak, corrosion problems were discovered, and after evaluation of the casing the company felt that for safety reasons due to the high hydrogen sulfide content of the produced gas the well should be abandoned and a replacement well drilled. The replacement well was completed in December 1986.

Several major fires occurred at production facilities during 1986, and a failed compression cylinder flange gasket caused an explosion at the Dome Laprise b-40-E/94-H-5 compressor station, resulting in damage to the facilities in excess of $100 000. Fortunately the site was unmanned at the time and there was no continuing fire after the explosion.

A much more serious incident occurred August 2, 1986 at the well Cdn Oxy et al Stoddart 6-11-86-19, when the well site operator was attempting to place the well on production. After opening the well to the production facilities, gas accumulated around the well site area and was subsequently ignited. Unfortunately the operator received fatal injuries and a coroner's inquest was unable to determine the cause of the ignition. Accident investigation reports are filed in the District Field Office in Fort St. John and are available for public viewing. The criteria for carrying out inspections has been reviewed and procedures have been updated where necessary.

EXPLORATION AND DEVELOPMENT

Drilling activity decreased substantially, from the 231 wells drilled in 1985, to 161 in 1986. Most of the decline resulted from the lack of interest in the Desan Mississippian oil play because of poor reservoir characteristics and slumping world oil prices. Three of the 161 wells were water source wells used for enhancing oil recovery.

Exploratory wildcat and exploratory outpost wells accounted for 64 wells, or 40 per cent of the overall drilling. Fifty four were located in the northeast portion of the province, with the other 10 located in the Liard, Nechako and Georgia (Nanaimo) basins, and the Flathead area of southeast British Columbia. Exploratory wildcats in the northeast sector were most common for the Deep Basin Cretaceous gas play, followed by the Devonian reef gas play, the Foothills, Triassic and Mississipian gas targets and finally the tail end of the Desan initiated Mississippian oil play.

In the Flathead area Shell Canada drilled three wildcats. The well Shell Grouse b-75-G/82-G-1, located ten kilometres southwest of the Alberta Waterton gas field, was targeted for equivalent productive Mississippian and Devonian gas bearing formations; it was unsuccessful and abandoned. The well Shell Kishinena b-56-C/82-G-1, was targeted for carbon dioxide gas at the total depth of 4790 metres.

Three wells were drilled on Vancouver Island, on the west flank of the Georgia (Nanaimo) Basin, just south of Nanaimo. Two were drilled by British Petroleum namely BP Laurel Harmac c-36-F/92-G-4, and BP Yellow Point c-84-C/92-G-4, both directed to test for Upper Cretaceous hydrocarbon reservoirs. Both were unsuccessful and abandoned. The third well, Novacorp Cedar b-29-F/92-G-4 was drilled in the same area for the purpose of coal seam demethanization. It was drilled and cased to a depth of 377 metres and evaluation is pending a final testing and completion program.

In the Nechako Basin the well Canhunter Redstone d-94-G/92-O-12 was drilled to determine possible Upper Cretaceous reservoir strata underlying tertiary volcanics. Unfortunately no reservoir strata were penetrated and the well was abandoned at a total depth of 2165 metres.

An important wildcat DEI Moyie d-8-C/82-G-5 located south of Cranbrook was spudded in October 1986, and was still drilling at year's end. The well is being drilled through overthrust Pre-Cambrian rocks to evaluate the hydrocarbon potential of the Mesozoic and Paleozoic formations believed to underlie the Pre-Cambrian.

As part of the work commitments on Petroleum and Natural Gas Permits No.'s 3098 to 3109 a geological reconnaissance report was presented by Unocal on a possible new intermontane basin prospect, identified as the Sifton basin. This basin is located along the Rocky Mountain Trench in north central British Columbia mostly in the southwest quadrant of NTS map area 94-F.

The ninety-three development wells drilled in 1986 corresponded to the same number drilled the previous year. The major portion of the 1986 development activity was for oil in the immediate Fort St. John area, where the drilling of 26 infill and extension wells added an estimated 1.6 million bbls of Belloy reserves, and enabled more accurate reservoir delineation in the Eagle, Eagle West, Stoddart and Stoddart West fields. In the Boundary Lake Field, although drilling results were mixed, an additional 25 development wells were drilled. These two areas alone accounted for 44 per cent (41 wells) of the total 1986 development well drilling activity.

Seven development wells were drilled in each of the Beatton River and Peejay fields. Here the principal drilling targets were extensions to established oil pools. In the Tooga field, development wells were drilled to extend existing Debolt and Pekisko oil pools. The Desan field had

minimal drilling activity in 1986. This was due to an unfortunate combination of low individual well productivity, high exploration and operating costs, unconventional oil chemistry, and a drastic decline in world oil prices. No commercial production is anticipated from this area in the near future.

Development drilling activity for natural gas was scattered in 1986, although the Deep Basin area proved to be the focus for over all northeastern British Columbia gas well drilling activity. It is anticipated however, that this area will experience significant development drilling activity in 1987. In other areas the Monias and Flatrock fields experienced limited development drilling for Halfway gas reservoirs, and in the Yoyo and Klua fields successful development gas wells were drilled to Slave Point and Pine Point objectives.

The geophysical effort by industry was down considerably in 1986 over the previous year. A total of 181 crew weeks were recorded, compared to the 271 crew weeks in 1985. The year started with a good number of crews working, but declined rapidly due to the drop in hydrocarbon prices early in the year. The main effort was in the northeastern corner of the Province, within a hundred mile radius of Fort St. John. Activity in the far northeast, around Fort Nelson and Desan, was drastically reduced from the previous winter's activity. A minor amount of activity occurred in the southeast of the province, in the Fernie Flathead areas, as well as a short magneto-telluric program in the Moyie Lake area, south of Cranbrook, prior to spudding the Moyie Lake exploratory well.

LAND ACTIVITY

At the end of 1986 the total number of tenures for oil and gas exploration and development purposes were down from the 1985 year end figures. Most companies were assessing their holdings and surrendering tenure where they thought it unlikely that exploration would be commenced for a considerable period of time. A comparison of the tenures held at the end of 1985 and 1986 is as follows:

	1985		1986	
	No.	Ha	No.	Ha
Permits	313	5,521,567	271	4,879,305
Leases	7412	4,699,783	7040	4,238,903
Drilling Licences	130	458,761	148	519,347
Total	7855	10,680,111	7459	9,637,555

In 1986 129 geophysical programs were approved. Of this number 109 programs were completed, 13 were cancelled and the remainder carried over until 1987. The programs that were conducted accounted for 181.5 crew weeks of work with 6547 kilometers of seismic information being obtained. This compares with the 1985 total of 158 approved programs providing 271 crew weeks of work in which 7641 kilometers of seismic information was obtained.

HIGHLIGHTS OF PETROLEUM RESOURCES DIVISION ACTIVITIES

Although the petroleum industry cut back on its field activity, the volume of Division work continued at a high level. The computerization of records and information processing within the Division was initiated and a new computer application for reservoir parameters is nearing the implementation phase. A rewrite of the production accounting system was completed and plans were formulated to develop an automated well data base. This information, although originally designed for staff use, will eventually be made available to the petroleum industry.

Studies undertaken during the year included a review of the current royalty systems for both oil and gas and a second look at the producer cost of service allowance provided to the industry for gas wells. The Division is also participating in an audit for compliance testing to assure the authenticity of submitted data.

Some minor changes were made to the regulations which will permit greater flexibility in oil well spacing while clarifying the sequence of drilling that must be employed.

Direct revenues to the Province from sales, royalty fees and rentals totalled $184 million, 40 per cent less than 1985.

MEDIATION AND ARBITRATION BOARD

The composition of the Board for 1986 remained as it was in 1985, with D. (Ed) Smith as Chairman, Cecil Ruddell, Vice Chairman, and John Martin and John Strain, Members.

The Mediation and Arbitration Board is established under Part 3 of the *Petroleum and Natural Gas Act*. Its authority and powers are covered by Sections 6 to 32 inclusive. These sections empower the Board to:

(a) Grant Right of Entry to oil and gas companies over alienated lands where such Right of Entry has been refused by the landowner.
(b) Determine conditions for Right of Entry and set compensation to be paid therefore.
(c) Appoint a Member of the Board to act as a Mediator between a petroleum company and a landowner when an impasse develops respecting Right of Entry.
(d) If Mediation proves unsuccessful, convene an Arbitration Hearing, receive exhibits and hear evidence from both Applicant and Respondent prior to determining the compensation for Right of Entry respecting wellsite, campsite, roadway and/or flowline installations.

(e) When requested to conduct Arbitration Hearings, review and set annual rental on leases and previous Board Orders of more than five years duration.

(f) Terminate Right of Entry when an operator ceases to occupy land and a Certificate of Restoration has been issued by the Ministry. Amend or rescind Orders from time to time, as circumstances and conditions dictate.

The statuatory responsibility which was assigned the Board during 1985 under the *Coal Act* paralleling duties under the *Petroleum and Natural Gas Act* did not result in any coal hearings during 1986. However passage of Bill 18, *Petroleum and Natural Gas (Vancouver Island Railway Lands) Act* and the active involvement of BP Resources in a drilling program on Vancouver Island required the Board to open a suboffice in Nanaimo during the month of June. The chairman and other members of the Board staffed the office on a regular basis accepting applications from persons who believed they might be entitled to compensation as the owners of mineral rights underlying the surface of the land utilized in the drilling program. Since the wells were unsuccessful all applications received will be held on file pending possible further exploration or drilling activity on the island.

During the late fall potential drilling activity by Chevron in the Elk Valley near Sparwood required the chairman's attention and intervention concerning a Right-of-Entry. This matter will carry over into 1987.

The Board continued routine work related to oil and gas activities in the northeastern sector of the province. This included 42 inspections, issuing eight Right-of-Entries for new well locations, holding 12 mediation hearings and nine arbitration hearings. In addition, 30 applications for rental review were processed.

One Board award was challenged by way of a stated case to the Supreme Court. Following Justice Spencer's decision the Board reheard those matters referred back to the Board with the result that the landowner received a slight increase in compensation.

ENGINEERING AND OPERATIONS BRANCH

DEVELOPMENT ENGINEERING

The Development Engineering Section is responsible for the administration of all matters related to the location, drilling, completion and abandonment of wells. This involves assurance that the operators of all wells located, drilled and produced abide by the regulations and submit the required applications, reports and information to the Division.

Approval of well authorizations to drill proposed locations is granted by the Section after review and reference to the Titles and Geological Branches. There were 141 authorizations issued for petroleum and natural gas drilling, 52 per cent less than the 272 issued in 1985.

Throughout the life of a well, the status classification and well name may be changed as circumstances warrant. During 1986 changes were made to 272 well statuses, 116 well names and 12 well classifications.

Each quarter, revised field and pool descriptions are compiled, published and circulated to the industry based on the geological pool interpretations made by Division staff. All drilling and service rigs operating in the Province must have a valid rig licence; 68 were renewed while 9 new licences were issued during the year.

In addition to comprehensive well data records, all geological and geophysical reports submitted for work credits as well as the Division correspondence files of the three main branches are maintained by the Development Section. The microfiche library containing British Columbia basic well data and produced by a commercial service company continued to be used by the Division staff. The microfiche file is supplemented by a set of all logs taken from wells in the Province. Computerization of Division records and functions continued throughout the year with improvements being made to the system for storing, handling and retrieving drilling and production data.

DISTRICT OFFICE

The Petroleum Resources District Office is located at Charlie Lake, in the Peace River District of northeastern British Columbia. During 1986 district staff inspected petroleum activities throughout the Province.

The inspection staff complement at year end consisted of two Senior Drilling and Production Technicians, four Drilling and Inspection Technicians, and two Geophysical Technicians.

During 1986 District staff drove over 260,000 kilometres to enforce the field requirements of the *Drilling and Production Regulations, Geophysical and Geothermal Regulations* and corresponding statutes.

Drilling activity declined in 1986 with the result that at year end 161 wells had been drilled. This resulted in some of the inspection activities focussing on production operations.

During 1986, 431 inspections were performed at active drilling sites, almost comparable to 1985 levels. This reflects the increased emphasis on safe drilling practices, especially important for those wells designated as "Special Sour Gas Wells" due to their hydrogen sulfide content. Emphasis was placed on drill site reclamations and the issuance of Certificate of Restoration. To this end and also to ensure that all production sites complied with the regulations, some 7400 inspections were made of various drilling, producing, and abandoned well sites.

A total of 3500 inspections were made at oil batteries, oil satellites, central gas dehydration facilities and individual gas well dehydration units, to ensure compliance with gas conservation orders, as well as continued emphasis on scrutinizing production engineering techniques and monitoring ambient air quality in producing fields.

Equipment was monitored throughout the year, with fast meter checks made on 1000 occasions and complete meter checks an additional 2600 times, to ensure the accuracy and reliability of gas measurement at individual field meters and at custody transfer points.

The reliability of subsurface pressure data supplied to the Division by industry was confirmed by performing 1930 calibrations on industry subsurface pressure gauges using the British Columbia dead weight tester. During 1986 this gauge was calibrated to its Province of Alberta counterpart, with results confirming acceptability of both dead weight testers. In addition, to augment and confirm data received by the Reservoir Engineering Group, 317 tests were witnessed on oil wells and 61 gas well tests were witnessed.

Geophysical field activity remained at the same level as 1985, as 145 inspections were performed.

Inspection of salt water disposal systems and the witnessing of segregation tests were re-emphasised in 1986.

The Manager of field operations continued to serve on the Northeastern British Columbia Oil Spill Cooperative and on the Prairie Regional Oil Spill Containment and Recovery committee, taking an active role at all meetings and training exercises.

In September the annual training exercise of the co-operative was held again on the Peace River and added additional experience and expertise to that gained during the 1982 and 1985 exercises on this major river drainage. In addition, three communication exercises were held, which simulated actual oil spills. Response times were logged during each stage of the mock cleanup operation.

During 1986 District Staff continued their involvement with the Blow Out Prevention and Certification Committee, acting as the British Columbia representative on the land, offshore and service rig committees. 1986 saw the start of a new training facility at Nisku, Alberta where well training procedures plus a host of other petroleum-related courses will be held.

Phase Two of the air quality survey was completed, identifying areas of fugitive emissions of hydrogen sulfide, sulphur dioxide and total hydrocarbons. This study will culminate in phase 3 which will be a comprehensive check list for fugitive emmission audits.

The suspended well inspection program started in 1985 has been favourably received by industry, and all suspended wells have been designated as A, B or C, denoting 1, 2 or 3 year inspection frequencies. Once these designations have been programmed into computer form, automatic recall will be available. The abandoned well project is proceeding as planned, with mainly recently-abandoned wells requiring inspection and Certificates of Restoration. Newer projects such as petrophysical reconnaissance, development of emergency response guidelines criteria for special sour gas wells, and a comprehensive production audit will be ongoing into 1987 and 1988.

RESERVOIR ENGINEERING

Table P3 presents the estimates of remaining established reserves for December 1986 from which the following has been abstracted:

Oil	18 786	10^3m^3
Raw Gas	277 628	10^6m^3
Marketable Gas	227 029	10^6m^3

Remaining reserves of gas by-products are estimated as follows:

Propane	1.5	10^6m^3
Butane	2.3	10^6m^3
Pentanes Plus	4.5	10^6m^3
Sulphur	11.4	10^6 tonnes

From inspection of Table P3 it is clear that both oil and gas reserves have declined somewhat from last year, owing to a low level of drilling activity as a result of low product prices and a continuing world glut. The most significant additions to British Columbia's producing properties in 1986 were the Sikanni Field which came on stream and commencement of Deep Basin Gas production on the British Columbia side of the border. Another noteworthy event was the approval of waterflooding plans for the East Eagle Field in May 1986.

A considerable part of the Reservoir Engineering Section's time continued to be devoted to the rewrite of the well production and pool reserves data systems. The old production system was formally abandoned in October 1986 and replaced by a new system, developed during the previous 12 months. Between October and December the Pool Reserves data base was written and successfully tested. Development work will continue in 1987.

Together with the Geological Division, some 300 pool reserves estimates were revised. About half of these are as a result of drilling activity, the remainder reflect new production and pressure data.

During the year staff assisted other branches of the Ministry with a comprehensive review of the provincial royalty system. Attention was focussed in particular on the reliability of well production estimates, well royalty group classifications, gas cost allowance determinations, the functioning of the British Columbia gas royalty regulations, and the effectiveness of existing computational methods.

GEOLOGICAL BRANCH

REGIONAL GEOLOGY AND GEOPHYSICS

Regional geology project work concentrated on the completion of the Mississippian Correlation Study of the north half of the northeast British Columbia sedimentary basin, comprising NTS map areas 94-I, J, O and P. Five stratigraphic cross-sections and a series of contour maps were completed and published. An accompanying report was not published.

In addition, a contract study of the geology, structure and hydrocarbon potential of the Queen Charlotte Basin as an aid to the resource evaluation of this region was initiated in September and completed in December. The study includes definition and correlation of rock stratigraphich units, isopach maps and discussion of reservoir properties, paleogeography, structural geology and hydrocarbon potential.

Seismic base maps were prepared from the data received from Shell Oil and Chevron in 1985 to construct a set of maps for regional work in the Hecate Strait and Queen Charlotte Sound areas. Some assistance was given to the consultant working on the area, in the way of velocity control for interpretation of the seismic data.

Land use proposals from various Ministries were reviewed for hydrocarbon and geothermal resource potential. Land use categories include Parks, Wilderness Areas and Ecological Reserves. Also reviewed were submissions from Regional Districts such as settlement plans.

Meetings with industry personnel were held to discuss various projects either proposed or completed within the province. Of particular interest were projects in the Fernie-Flathead area, Vancouver Island, Moyie Lake and the Sifton, Tertiary Basin in the Rocky Mountain Trench north of Williston Lake.

Inquiries were still being received regarding the geothermal resources of the province. Interest in energy (electrical) production has for the most part been replaced by direct use interests, notably in recreation, agriculture and aquaculture. Due to the lower temperatures required in such usage, the inquiries are usually referred to the Water Management Branch of the Ministry of Environment and Parks.

RESERVOIR GEOLOGY

The Reservoir Geology Section provides geological expertise to the Engineering and Petroleum Titles Branches. Engineering related-activities included: providing geological input to evaluations of concurent production, water disposal, secondary recovery and good engineering practice schemes. Unitization proposals and well reclassification requests were also appraised. Titles related activities involved geological assessment of lands posted for disposition of Petroleum and Natural Gas Rights, lease continuation evaluations, and lease "strata title" and related "productive zone" determinations.

The Section provided assistance to other government agencies such as the British Columbia Petroleum Corporation, the Canadian Oil and Gas Lands Administration, the Petroleum Incentives Program and to private sector agencies such as the Canadian Petroleum Association and the Independent Petroleum Association of Canada. Section personnel presented public lectures on petroleum geology and provided technical input to the proposed British Columbia Provincial Museum "History of the British Columbia Oil and Gas Industry" exhibit, tentatively scheduled to open in September 1988.

Five new fields were designated in 1985. The ALCES Field, Twp 83, Rge 14 W6M, contains a single Mississippian sandstone gas pool, Kiskatinaw A. The NOEL field, NTS Blocks A/93-P-7 and D/93-P-8, contains three Cretaceous sand gas reservoirs, Cadotte A, Gething A and Dunlevy A. The SEXTET field, NTS Blocks J and K/94-I-12, contains a single Devonian carbonate gas pool, Slave Point A. The THETLAANDOA SOUTH field, NTS Blocks D, E and F/94-P-6 contains a single Mississippian carbonate gas pool, Debolt A. WINDFLOWER field, NTS Blocks A and H/94-A-11, contains a single Mississippian sandstone gas reservoir, Mattson A.

Drilling and pool mapping revisions resulted in significant additions to existing field boundaries in the Desan, Eagle, Elm, Sikanni, Sojer, Wargen and Weasel fields. In the Deep Basin area, the previously separate Kelly and Windsor fields were amalgamated into a single Kelly field containing eleven Cretaceous sand gas pools.

Significant pool changes and new pool additions occurred in a number of areas. At Desan, a new Debolt B oil pool, two new Shunda pools (Shunda E and F) and three new Pekisko pools were delineated. In addition, two new gas pools, Debolt C and Banff A were recognized. In the Tooga field, a new Debolt B oil pool was added. The Bernadet Halfway gas pool was extended to include the off pattern well at 6-6-88-24 W6. At Boundary Lake, the Boundary Lake A oil pool was extended as a result of infill drilling, and a new Halfway A oil pool was designated from the 10-29-85-13 W6 discovery well. At Bubbles North, the Baldonnel A gas pool was expanded to take in the d-93-C/94-G-8 well. The Cecil Lake North Pine E oil pool was defined from the 6-21-84-17 W6 discovery well while at Eagle, the Gething A oil pool was defined from existing wells.

At Elm, a new Halfway C gas pool was delineated from the d-46-C/94-H-7 discovery well, while at Flatrock the Siphon A and B gas pools were deemed to be depleted. New pools were also defined in the Fort St. John field Belloy E gas at 10-5-83-18 W6, and the Helmet field Shunda A gas at the c-73-F/94-P-7 recompletion. At Peejay, the Halfway F oil and Halfway N gas pools were extended to encompass new wells at b-12-E and b-67-H/94-A-16 (Halfway F) and c-60-C/94-A-16 (Halfway N). The Debolt G gas pool at Sikanni was extended to include well b-46-L/94-G-2. Stoddart West added two new gas pools - Baldonnel A gas from the A7-21-87-20 W6 discovery, and Belloy E gas from 10-35-86-21 W6. At Wargen, the Gething A oil pool was extended to include the c-77-C/94-H-6 well, while at Weasel West a new Halfway C gas pool was outlined - based on the d-93-C/94-H-2 discovery. Lastly, the Woodrush Halfway A gas pool was enlarged by absorbing the deleted Halfway B pool.

Major pool mapping projects were conducted at West Eagle with the division of Kiskatinaw reservoirs into four gas pools and two oil pools; at Sikanni - recognition of five Debolt Gas pools, and deletion of Debolt E and F pools; at Blueberry - reappraisal and revision of Debolt A and B oil pools; at Kobes - petrophysical and mapping of Dunlevy and multiple Charlie Lake gas reservoirs; and at Buick Creek - reinterpretation and remapping of Bluesky and Dunlevy reservoirs. In addition, Cretaceous Bullhead Group correlations between Chetwynd and the Kelly Field areas were documented in a cross section study.

Significant reservoir studies or reviews were completed in the Flatrock Halfway E pool, the Lagarde field Dunlevy depositional and structural configuration, and the Alces field - Mississippian/ Pennsylvanian structure and Kiskatinaw gas reservoir configuration. In

the Nanaimo Basin, preliminary Cretaceous Nanaimo Group correlation sections were constructed using wireline logs from Nanaimo area Novacorp test holes and BP Resources Canada Limited recent Yellow Point and Harmac wells. In NTS area 94-I, J, O and P a study of Mississippian lithological variation based on data from "CanStrat" sample logs was conducted.

The depositional history and reservoir configurations of the Belloy formation provided a focus for Section reservoir studies in the Fort St. John Area. Two significant company submissions concerning Belloy pools in the Stoddart West and Eagle fields were reviewed. A major waterflood feasibility study for the Stoddart West Belloy C oil pool concluded that secondary recovery by waterflooding was neither economically feasible nor essential to optimization of Belloy oil recovery. A reservoir review and update for the Eagle Unit #1 Belloy B and Kiskatinaw A pools was also received. Discussions of Belloy sedimentology and reservoir geology were conducted with numerous industry representatives, who appear to be encouraged by Belloy oil productivity and interested in finding additional Belloy hydrocarbon accumulations.

TITLES BRANCH

During 1986 automation of the Petroleum Titles Branch did not proceed as expected due to hardware limitations. Enhancement programs for the Title records were written and put to use, however, enabling the provision of better service to the public. At year end very little historical data was left to incorporate into the automated system.

Following discussions with industry, it was decided to hold dispositions of Crown petroleum and natural gas rights monthly, with the exception of December. By doing so, companies are now able to schedule development drilling so as to make use of the 30 day confidential period when posting parcels for dispositions. Also, by increasing the number of sales a better exploration climate for the Province is expected to develop, with industry having to assess their holdings and possible acquisitions on a monthly basis instead of five times a year.

In 1986 there were a total of eight dispositions held, generating a total of $28.6 million in tender bonuses. This is considerably less than the $87.8 million received in 1985 and is the lowest since 1983 when $26 million was received. A comparison with the 1984 and 1985 dispositions is as follows:

Year	Parcels Offered	Parcels Awarded	Total Ha.	Tender Bonus $	Average Price Per/Ha $
1986	420	293	220 222	$28 640 857	$130.05
1985	473	326	391 139	87 767 977	243.02
1984	307	202	254 108	61 754 228	184.30

At the end of December 1986 there were 7459 tenures containing 9,637,555 hectares of oil and gas rights. This represents a decrease of 1,042,556 hectares of exploration rights and 396 tenures from the 1985 year end figures. A synopsis of the tenure issues and surrenders is as follows:

	PERMITS		DRILLING LICENCES		LEASES		TOTALS	
	No.	Ha.	No.	Ha.	No.	Ha.	No.	Ha.
Jan. 1/86	313	5,521,567	130	458,761	7412	4,699,783	7855	10,680,111
Issued/86	34	489,078	29	110,362	1130	166,484	1193	765,924
Cancelled/86	76	1,131,340	11	49,776	1502	627,364	1589	1,808,480
Dec. 31/86	271	4,879,305	148	519,347	7040	4,238,903	7459	9,637,555

OFFSHORE ADMINISTRATION

Offshore staff under the direction of the Assistant Deputy Minister, Petroleum Resources, develop British Columbia's policies on offshore oil and gas activities, and co-ordinate preparation and planning for the resumption of exploration of the British Columbia coast.

During 1986 further progress was made toward resumption of offshore exploration with the submission of the Offshore Panel Report and subsequent review by provincial and federal agencies.

The Offshore Panel Report was submitted to the provincial and federal governments in April, 1986, following public hearings in several northern, coastal communities, and in Vancouver and Victoria, in late 1985. The report made no objection to lifting the moratorium on offshore exploration but did make a number of recommendations on the terms and conditions under which exploration might be carried out. Many of the Panel recommendations reflected existing petroleum administrative practice in British Columbia or in other offshore areas in Canada; other recommendations offered unique approaches to offshore petroleum management on the West Coast, requiring further study. A number of data gaps were identified by the Panel, who suggested studies be undertaken prior to and during exploratory activity.

As a follow up to the Panel report, and in keeping with the federal-provincial agreement which initially established the review, a process was set up to enable both governents to analyze Panel recommendations without prejudice to the questions of ownership and jurisdiction. All provincial

and federal agencies with an interest in offshore petroleum exploration participated in the process, designed to report on possible implementation of the Panel recommendations. The final joint response to the Panel report is expected by the end of May, 1987.

In recognition of the value of a strong local offshore technology sector in suport of offshore operations, as well as to the provincial economy, a number of initiatives were under taken by the Branch. These included presentation of an offshore petroleum exhibit on behalf of British Columbia at the Offshore Technology Conference in Houston, Texas in May and again at the National Petroleum Show in Calgary in June. The provincial display provided information on events leading to renewed offshore exploration on the West Coast and highlighted British Columbia's subsea support industry.

The Branch also participated in Offshore and Underwater Week at Expo 86 in Vancouver and the associated Sea the Future Conference. In addition, staff were involved in an interministry taskforce which proposed the establishment of an Ocean Development Centre in British Columbia.

STATISTICAL TABLES

Table P1 - Hectares of Crown Petroleum and Natural Gas Rights Held, 1976-1986

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Petroleum and natural gas permits	5 363 440	5 232 700	5 057 241	4 727 388	8 331 140	6 855 975	6 173 951	3 507 122	4 279 809	5 521 567	4 879 305
Petroleum and natural gas leases	2 387 335	2 911 776	3 131 372	3 735 470	4 248 550	4 833 344	5 048 562	4 737 286	4 567 759	4 699 783	4 238 903
Natural gas licences	2 904	14 721	- --- ---	7 559	25 346	1 619	- --- ---	7 135	4 684	- --- ---	7 008
Drilling reservations & Drilling licences	212 529	338 681	426 117	422 888	430 669	247 816	126 791	158 062	223 167	458 761	519 347
Totals	8 171 284	8 708 282	8 904 758	9 170 756	13 296 560	12 249 155	11 664 169	8 709 827	9 361 886	10 680 111	9 644 563

Table P2 - Petroleum and Natural Gas Revenue, 1947-1986

	1947/1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	Totals
CROWN RESERVES - DISPOSITION BONUSES													
Petroleum and natural gas permits	$127 631 362	27 548 820	60 017 393	49 518 449	45 949 254	21 126 236	22 531 164	4 837 360	4 457 560	16 794 065	7 569 115	1 299 025	389 279 803
Drilling reservations and licences	42 430 239	6 152 419	30 633 861	64 467 213	60 987 012	68 358 992	6 338 253	4 539 818	13 756 051	24 545 730	60 312 615	5 060 069	397 582 272
Petroleum and natural gas leases	88 866 733	9 525 202	34 816 472	63 473 986	84 105 339	91 781 576	31 906 986	7 346 955	7 800 606	20 414 433	19 886 247	12 258 528	475 253 063
Totals	$261 998 334	43 226 441	125 467 726	177 459 648	191 041 605	181 266 804	60 776 403	16 724 133	26 014 217	61 754 228	77 767 977	28 617 622	1 262 115 138
FEES, RENTALS ETC[1]													
Petroleum and natural gas permits	$ 54 991 227	2 114 161	2 128 190	1 882 589	1 696 423	3 768 152	1 895 471	2 096 108	1 912 926	2 638 233	2 868 542	2 855 804	80 847 826
Drilling reservations and licences	1 545 887	124 196	172 078	266 654	223 760	251 047	121 233	177 073	309 483	527 487	1 232 491	1 365 832	6 317 221
Leases	119 240 906	11 925 123	13 680 926	16 782 862	19 428 644	23 665 473	25 296 643	28 640 263	38 027 803	39 093 203	41 483 995	34 870 284	412 136 125
Natural gas licences	81 169	3 838	--- --- ---	47 502	43 262	29 826	20 668	31 630	8 515	7 663	--- --- ---	9 010	283 183
Miscellaneous fees	447 512	32 248	64 583	69 392	82 490	95 029	66 027	181 210	113 161	154 929	135 401	195 439	1 637 421
Totals	$176 306 701	14 199 566	16 045 777	19 048 999	21 474 579	27 809 527	27 400 042	31 126 284	40 371 888	42 421 515	45 720 429	39 296 369	501 221 776
CROWN ROYALTIES													
Gas[2]	$245 779 026	150 023 315	174 439 951	159 472 729	257 942 200	242 985 018	158 015 237	155 011 666	102 589 366	114 303 409	79 891 307	58 626 726	1 898 070 590
Oil	180 453 462	43 925 220	41 015 470	42 191 350	44 819 110	47 634 589	55 261 145	74 544 128	86 966 559	99 594 968	89 143 972	53 595 731	859 145 704
Processed products and penalties	1 845 661	711 810	888 799	1 075 377	1 048 746	1 624 942	1 762 012	1 624 973	2 166 301	3 070 602	3 544 323	3 872 789	23 236 335
Totals	$429 678 149	194 660 345	216 339 220	202 739 456	303 810 056	292 244 549	215 038 394	231 180 767	191 722 226	216 968 619	172 579 602	116 095 246	2 780 452 629
REVENUE TOTALS	$865 983 184	252 086 352	357 848 723	399 248 103	516 326 240	501 320 880	303 241 839	279 031 184	258 108 331	321 144 362	306 068 008	184 009 237	4 543 789 543

1 All revenue prior to 1954, with the exception of Crown reserve added under the heading "Petroleum and Natural Gas Permits".
2 Includes gas marketed through British Columbia Petroleum Corporation from 1974 to 1986.

Table P3 - Established Hydrocarbon and By-product Reserves, December 31, 1986

	CRUDE OIL 10^3m^3	RAW GAS 10^6m^3	MARKETABLE GAS 10^6m^3
Initial Reserves, Current Estimate	83 501	501 468	411 126
Cumulative Production to December 31, 1985	62 691	215 458	177 165
System Adjustment	- 14	+ 124	+ 48
Remaining Reserves Estimate at December 31, 1985	20 196	289 775	236 964
Drilling in 1986	+ 456	+ 4 822	+ 4 087
Revisions in 1986	+ 144	- 8 463	- 7 042
Production in 1986	-2 010	- 8 506	- 6 980
Remaining Reserves at December 31, 1986	18 786	277 628	227 029

Notes: Gas volumes measured at 101.325 kPa and 15°C

Actual recoveries of propane, butanes, pentanes plus and sulphur for 1986 were 209 10^3m^3, 115 10^3m^3, 159 10^3m^3 and 266 10^3t respectively.

(1) Figures in this column are estimates of gas available to the transmission line after removal of acid gases and a percentage of liquid hydrocarbons.

(2) Rounding adjustment applied to Remaining Reserves Estimate at December 31, 1985.

Table P4 - Drilling and Production Schemes Approved in 1986

Field/Area	Pool	Area or Well	Date of Approval	DOA m^3/d	DGA $10^3m^3/d$
Approval of Concurrent Production					
Boundary Lake North	Halfway 'D'	8-31-87-14, 14-31-87-14 16-31-87-14	1986 11 06	6.5 2.0 4.0	1.3 0.4 6.0
Approval of Concurrent Production and Good Engineering Practice					
North Pine (Modification)	North Pine 'B'	Section 13, Twp. 85, Rge. 18 ..... (Well 14-13-85-18 - limited to a DGA of 14.1 10^3m3	1986 11 19	-- -	60.0
Good Engineering Practice					
Kelly and Windsor	Falher 'A' & 'B', Paddy, and Gething	NTS 93-P-1, Blk. A, Units 51-100, Blk. B, Units 51-53, 61-63, 71-75, 81-85, 91-95, Blk. G, Units 1-5, 11, 21, 31, 41, Blk. H, Units 1-10, 12-20, 22-30, 32-40, 42-50, 52-59, 62-69, 91-99, Blk. I, Units 1-9, 11-19, 21-29, 32-39, 42-49, 52-59, 62-69, 72-75, 82-85.	1986 08 25	-- -	-- -
Stoddart West	Belloy 'C'	E 1/2 - Section 35, Twp. 85, Rge. 20	1986 02 13	36.7	
Gas Injection					
Buick Creek	Doig 'B'	NTS 94-A-11, Blk. I, Units 56, 57, 58, 59, 66, 67, 68, 69.	Date gas injection becomes operational		
Approval of Salt-water Disposal					
Other Areas	Debolt	NTS 94-I-11, Blk. K, Unit 76	1986 05 22		

Table P5 - Daily Oil Allowables Issued, 1986

Field	Pool	Well Name	DOA m^3	Effective Date
Beavertail	Halfway 'B'	PCI Beavertail d-79-A/94-A-15	10.0	1985 10 23
Boundary Lake	Boundary Lake 'A'	Sorrel et al Boundary 15-20-85-13	10.0	1986 01 13
Boundary Lake	Boundary Lake 'A'	Sorrel et al Boundary 2-29-85-13	8.2	1986 01 13
Boundary Lake	Boundary Lake 'A'	POCO Boundary 2-8-86-18	9.5	1986 03 14
Boundary Lake	Halfway 'H'	Sorrel et al Boundary 10-29-85-13	15.5	1985 05 14
Boundary Lake	Halfway 'D'	Gulf N Boundary 8-36-87-15	30.2	1986 04 14
Desan	Shunda	Gulf AEC Desan d-48-D/94-P-7	23.2	1985 05 05
Desan	Shunda	Gulf AEC Desan d-56-D/94-P-7	10.6	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-53-L/94-P-2	10.0	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-74-L/94-P-2	10.0	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-84-L/94-P-2	15.5	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-85-L/94-P-2	15.4	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-91-L/94-P-2	10.0	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-96-L/94-P-2	17.1	1985 05 05
Desan	Pekisko	Gulf AEC Desan b-5-D/94-P-7	23.8	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-15-D/94-P-7	26.1	1985 05 05
Desan	Pekisko	Gulf AEC Desan b-16-D/94-P-7	22.2	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-16-D/94-P-7	20.5	1985 05 05
Desan	Pekisko	Gulf AEC Desan d-27-D/94-P-7	16.9	1985 05 05
Eagle	Gething 'A'	Gulf AEC Desan d-37-D/94-P-7	10.0	1985 05 05
Eagle	Gething 'A'	Scurry CEGO Eagle A10-22-84-18	10.3	1985 10 25
Eagle	Belloy 'B'	Scurry CEGO Eagle A5-26-84-18	10.0	1986 03 14
Eagle	Belloy 'B'	Scurry CEGO Eagle 12-23-84-18	10.1	1986 03 13
Eagle	Belloy 'B'	Scurry CEGO Eagle 4-25-84-18	18.3	1986 02 14
Eagle	Belloy 'B'	Scurry CEGO Eagle 11-25-84-18	32.2	1986 01 06
Eagle	Belloy 'B'	Scurry CEGO Eagle 2-26-84-18	10.0	1986 03 19
Eagle	Belloy 'B'	Scurry CEGO Eagle 4-26-84-18	13.4	1986 01 09
Eagle	Belloy 'B'	Scurry CEGO Eagle 9-26-84-18	24.0	1986 01 06
Eagle	Belloy 'B'	Scurry CEGO Eagle 1-35-84-18	22.2	1986 03 26
Eagle	Belloy 'B'	Scurry CEGO Eagle 3-35-84-18	26.1	1986 03 26
Eagle	Belloy 'B'	Para et al Eagle 2-36-84-18	10.0	1986 04 30
Fort St. John	North Pine 'A'	Para et al Eagle 8-36-84-18	10.0	1986 04 30
LaGarde	Dunlevy 'B'	Soquip et al Ft St John 8-26-83-18	10.0	1986 09 04
Osprey	Halfway 'D'	Suncor LaGarde 14-28-87-15	16.4	1985 09 11
Peejay	Halfway	PCI Osprey d-75-J/94-A-15	12.9	1985 01 31
Stoddart	Belloy 'C'	Westburne et al Peejay b-67-C/94-A-16	5.0	1986 05 15
Stoddart	Belloy 'C'	Husky et al Stoddart 14-31-85-19	10.0	1986 02 28
Stoddart	Belloy 'C'	Husky et al Stoddart 4-36-85-20	10.0	1986 02 28
Stoddart West	Doig 'B'	Husky et al Stoddart 12-36-85-20	14.3	1986 02 28
Stoddart West	Belloy 'C'	Scurry et al Stoddart 8-5-86-20	12.3	1986 11 06
Stoddart West	Belloy 'C'	Scurry et al W Stoddart 10-27-85-20	14.9	1986 02 07
Stoddart West	Belloy 'C'	Scurry et al W Stoddart 8-28-85-20	20.0	1986 08 18
Stoddart West	Belloy 'C'	Scurry et al W Stoddart 10-34-85-20	24.1	1986 03 03
Stoddart West	Belloy 'C'	POCO W Stoddart 2-35-85-20	16.7	1985 11 01
Tooga	Debolt 'B'	Scurry et al W Stoddart 2-4-86-20	14.6	1986 04 14
Other Areas	Gething	Gulf AEC Tooga d-78-C/94-P-2	18.0	1986 04 09
		PCI Westcoast Wargen c-77-C/94-H-6	2.5	1986 06 09
Eagle West	Belloy 'A'	West Eagle Unit #1	1572.3	1986 02 01

Table P6 - Daily Gas Allowables Issued, 1986

Field	Pool	Well Name	DGA 10^3m^3	Effective Date
Alces	Kiskatinaw 'A'	Dome Alces 11-29-83-14	60.0	1986 09 26
Alces	Kiskatinaw 'A'	Dome CDA Alces 7-30-83-14	137.6	1986 09 26
Bubbles North	Baldonnel 'A'	PCI Jedney d-93-C/94-G-8	93.3	1985 11 26
Buick Creek	Bluesky 'C'	Anadarko Cdn-Sup Buick d-39-L/94-A-10	60.0	1986 01 02
Buick Creek	Dunlevy 'C'	POCO Buick b-66-I/94-A-11	60.0	1986 09 16
Caribou	Debolt 'A'	Union Frio et al Caribou a-30-G/94-G-7	70.0	1986 01 10
Eagle West	Belloy 'B '	Wainoco et al Eagle 15-19-84-18	60.0	1985 05 12
Flatrock West	Baldonnel 'A'	Oil et al W Flatrock 6-12-85-17	60.0	1985 09 23
Flatrock West	Siphon 'A'	Oil et al W Flatrock 6-12-85-17	60.0	1985 08 29
Flatrock West	Halfway 'C'	Oil et al W Flatrock 6-12-85-17	65.1	1985 08 22
Kyklo	Debolt 'A'	Wainoco et al Kyklo d-77-I/94-I-11	60.0	1986 07 17
Laprise	Baldonnel 'B'	PCI et al Laprise d-71-E/94-H-5	136.3	1986 06 20
Monias	Halfway 'B'	Wainoco Monias 11-29-82-20	134.8	1986 10 28
Monias	Halfway 'A'	Woods et al Monias 6-6-83-20	124.2	1986 09 09
Monias	Halfway 'A'	Quintana Monias 10-11-83-21	144.4	1986 10 24
Monias	Halfway 'A'	Quintana Monias 10-14-83-21	214.9	1986 10 22
Rigel East	Gething 'A'	Sunartic E Rigel 7-30-88-15	60.0	1986 11 26
Sikanni	Kiskatinaw 'A'	Remington Sikanni d-73-I/94-G-3	99.3	1986 04 29
Sikanni	Debolt 'D'	Remington Sikanni b-10-L/94-G-2	60.0	1985 11 06
Sikanni	Debolt 'D'	Remington Sikanni a-32-I/94-G-3	585.2	1986 04 29
Sikanni	Debolt 'D'	Remington Sikanni d-53-I/94-G-3	252.2	1986 04 29
Sikanni	Debolt 'C'	Remington Sikanni d-73-I/94-G-3	290.5	1986 04 29
Sikanni	Debolt 'C'	Remington Sikanni c-93-I/94-G-3	100.3	1986 04 29
Sikanni	Debolt 'C'	Remington Sikanni b-14-A/94-G-6	235.6	1986 04 29
Sikanni	Debolt 'A'	Remington Sikanni b-43-A/94-G-6	72.2	1986 04 25
Stoddart West	Halfway 'B'	Diasham W Stoddart 10-26-86-21	71.1	1986 01 28
Stoddart West	Halfway 'C'	Diasham W Stoddart 10-35-86-21	130.8	1986 01 28
Stoddart West	Belloy 'A'	Westburne et al W Stoddart 11-21-86-20	60.0	1986 05 09
Stoddart West	Belloy 'E'	Diasham W Stoddart 10-35-86-21	60.0	1986 01 28
Stoddart West	Belloy 'A'	Diasham W Stoddart 10-36-86-21	63.0	1986 01 28
Yoyo	Pine Point	PCI GAO Yoyo d-4-L/94-I-14	517.3	1986 04 10
Yoyo	Pine Point 'A'	Husky et al Yoyo c-38-L/94-I-14	454.8	1986 03 12
Other Areas	Bluesky	Home Dome Titan c-59-L/94-I-9	60.0	1985 10 25
Other Areas	Bluesky	Home PCI Orion d-95-E/94-I-15	60.0	1985 10 25
Other Areas	Gething	Westcoast GAO N Red 10-27-86-21	60.0	1986 04 28
Other Areas	Baldonnel	BVX Focus et al Fireweed b-6-A/94-A-13	60.0	1986 04 14
Other Areas	Kiskatinaw	Dome CDA Alces 6-17-83-14	60.0	1986 09 26
Other Areas	Kiskatinaw	Dome Two Rivers 10-3-83-15	164.6	1986 09 26
Other Areas	Kiskatinaw	Dome CDA et al Alces 10-25-83-15	60.0	1986 09 26
Other Areas	Pekisko 'A'	Home Dome Shekilie d-75-C/94-I-16	60.0	1985 10 25
Other Areas	Pekisko 'B'	Home Dome Shekilie d-75-C/94-I-16	60.0	1985 10 25
Other Areas	Banff	Home Dome Shekilie d-55-H/94-I-16	60.0	1985 10 25
Other Areas	Pine Point	CDCOG Union Mel c-57-J/94-P-4	273.2	1986 01 21

Table P7 - Wells Drilled and Drilling, 1986

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6532	ATAPCO Klua b-4-F	86 02 09	86 04 01	2 150.0	Gas Well
6585	BHP (CAN) Cecil 8-7-84-17	86 11 23	86 12 12	1 375.0	Abandoned-dry
6565	BP Beatton c-58-J	86 07 26	86 08 04	1 155.0	Abandoned-dry
6564	BP Beatton c-59-J	86 07 17	86 07 25	1 160.0	Standing
6561	BP Beatton a-60-J	86 03 25	86 04 01	1 150.5	Standing
6548	BP et al Beatton c-48-J	86 03 14	86 03 23	1 165.0	Oil Well
6545	BP et al Beatton d-59-J	86 03 04	86 03 12	1 160.0	Oil Well
6452	BP Laurel Harmac c-36-F	86 06 25	86 07 19	1 040.0	Abandoned-dry
6451	BP Yellow Point d-84-C	86 07 28	86 08 29	1 573.0	Abandoned-dry
6426	BVI et al Yoyo b-A86-H	86 02 01	86 03 27	2 244.0	Gas Well
6355	Canhunter Blackhawk c-36-E	85 11 17	86 01 29	2 560.0	Mult. Gas Well
6454	Canhunter Cutbank b-68-A	86 02 02	86 02 23	2 328.0	Gas Well
6439	Canhunter et al Blair c-14-L	85 12 21	86 04 27	4 075.0	Mult. Gas Well
6591	Canhunter et al Cutbank a-23-H	86 11 20	86 12 22	2 460.0	Gas Well
6360	Canhunter Hiding a-23-A	85 12 11	86 01 30	3 078.0	Gas Well
6395	Canhunter Hourglass c-92-J	85 12 28	86 02 03	2 576.0	Gas Well
6450	Canhunter Lynx c-80-H	86 01 04	86 02 11	2 640.0	Abandoned-dry
6568	Canhunter Noel b-24-A	86 08 10	86 08 29	2 100.0	Gas Well
6540	Canhunter Noel c-52-A	86 02 21	86 03 22	2 200.0	Gas Well
6543	Canhunter Noel b-28-C	86 03 01	86 03 20	2 115.0	Abandoned-dry
6394	Canhunter Noel d-15-D	85 12 31	86 02 02	2 599.0	Mult. Gas Well
6566	Canhunter Noel b-A48-D	86 06 29	86 07 21	1 993.0	Gas Well
6598	Canhunter Noel d-55-D	86 12 05			Drilling
6600	Canhunter Noel b-66-L	86 12 11			Drilling
6567	Canhunter Noel b-82-L	86 09 01	86 09 30	2 560.0	Gas Well
6508	Canhunter Puggins c-40-C	86 02 11	86 03 30	2 983.0	Gas Well
6590	Canhunter Puggins a-89-C	86 11 13	86 12 26	2 820.0	Standing
6610	Canhunter Puggins b-2-D	86 12 29			Drilling
6438	Canhunter Redstone d-94-G	86 01 11	86 03 02	2 165.0	Abandoned-dry
6595	Canhunter Wasp d-37-L	86 11 22			Drilling
6501	Canterra Bluebird a-92-E	86 03 10	86 03 21	1 281.3	Abandoned-dry

Table P7 - Wells Drilled and Drilling, 1986 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6547	Canterra et al Monias 6-2-83-22	86 02 27	86 03 23	1 535.0	Standing
6343	Canterra et al Tenaka c-92-F	85 12 19	86 02 11	1 385.0	Gas Well
6473	Chevron Cheves d-48-A	86 01 21	86 03 23	2 650.0	Abandoned-dry
6576	DEI Moyie d-8-C	86 10 17			Drilling
6420	DiaSham et al S Inga 8-30-84-23	86 12 07	86 12 27	1 526.0	Abandoned-dry
6506	Dome et al Pink d-92-D	86 02 08	86 06 18	3 000.0	Gas Well
6487	Dome et al Romeo d-55-B	86 03 22	86 05 11	2 139.0	Gas Well
6541	Dome et al Weasel d-10-B	86 03 13	86 03 23	1 243.0	Oil Well
6475	Dome Home Klua c-71-F	86 02 08	86 03 17	2 338.0	Abandoned-dry
6352	Dome PCI Sukunka d-55-A	85 11 20	86 05 21	3 505.0	Gas Well
6558	Enerwest et al Beatton b-32-L	86 03 11	86 03 17	1 065.0	Abandoned-dry
6384	Esso Unit Boundary 4-19-84-13	86 02 04	86 02 23	1 390.0	Oil Well
6386	Esso Unit Boundary 12-10-84-14	85 12 31	86 01 15	1 370.3	Oil Well
6381	Esso Unit Boundary 12-13-84-14	86 02 03	86 02 20	1 365.0	Oil Well
6382	Esso Unit Boundary 12-14-84-14	85 12 20	86 02 01	1 378.0	Oil Well
6383	Esso Unit Boundary 2-24-84-14	86 01 17	86 02 01	680.0	Oil Well
6521	Gulf AEC Tooga d-45-C	86 02 20	86 03 03	816.0	Abandoned-dry
6522	Gulf AEC Tooga d-78-C	86 03 03	86 03 10	805.0	Oil Well
6538	Gulf AEC Tooga d-86-C	86 03 11	86 03 20	805.0	Abandoned-dry
6296	Gulf AEC W Sukunka b-50-K	85 10 08	86 01 11	2 107.0	Abandoned-dry
6581	Gulf N Boundary 16-25-87-15	86 10 22	86 11 01	1 363.0	Oil Well
6466	Gulf N Boundary 8-36-87-15	85 12 30	86 01 17	1 367.0	Oil Well
6274	Home Dome Ekwan c-36-K	86 02 08	86 02 19	415.0	Abandoned-dry
6237	Home Dome Shekilie d-37-B	86 02 20	86 02 27	1 990.0	Abandoned-dry
6536	Home et al Oak 16-4-86-18	86 02 27	86 03 12	1 520.0	Standing
6374	Husky et al Stoddart 14-31-85-19	86 01 17	86 02 04	517.0	Oil Well
6371	Husky et al Stoddart 12-36-85-20	85 12 28	86 01 15	2 000.0	Oil Well
6363	Husky et al Yoyo c-38-L	85 12 19	86 01 25	2 245.0	Gas Well
6609	Keystone et al W Beatton d-5-L	86 12 12	86 12 25	1 197.0	Abandoned-dry
6491	Mobil Etset d-75-E	86 02 08	86 02 17	550.0	Abandoned-dry
6490	Mobil Etset d-55-H	86 01 30	86 02 08	1 260.0	Abandoned-dry

Table P7 - Wells Drilled and Drilling, 1986 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6462	Mobil N Petitot d-33-E	86 01 06	86 01 17	518.0	Abandoned-dry
6468	Mobil N Petitot d-33-F	86 01 19	86 01 29	502.5	Abandoned-dry
6418	Norcen Donis d-35-E	86 01 01	86 01 12	1 200.0	Abandoned-dry
6467	Norcen et al Cheves a-42-I	86 01 21	86 03 23	2 610.0	Abandoned-dry
6470	Norcen et al E Bulrush d-81-F	86 01 16	86 01 26	1 135.8	Abandoned-dry
6507	Norcen et al Osborn b-30-J	86 01 27	86 02 05	2 519.0	Abandoned-dry
6478	Norcen et al Two Rivers 7-9-83-15	86 01 07	86 02 12	1 370.0	Abandoned-dry
6583	Novacorp Cedar b-29-F	86 10 21	86 10 30	376.6	Standing
6424	OIL et al Fox d-29-A	86 01 20	86 02 07	1 903.7	Abandoned-dry
6573	OIL et al W Flatrock 10-1-85-17	86 08 17	86 08 30	1 570.0	Abandoned-dry
6474	On-Track et al Crush c-12-F	86 01 15	86 01 26	1 315.0	Abandoned-dry
6422	Para et al Eagle 2-36-84-18	85 12 12	86 01 04	1 930.0	Oil Well
6524	Para et al Eagle 8-36-84-18	86 02 05	86 03 01	1 905.0	Abandoned
6427	Para et al Eagle 16-36-84-18	86 01 06	86 02 03	1 269.0	Abandoned
6488	Para Rim Ogy Ft St John A8-3-84-19	86 03 03	86 04 01	2 101.0	Abandoned-dry
6469	PCI E Kotcho c-77-G	86 01 19	86 01 31	814.0	Abandoned-dry
6429	PCI et al Beg c-90-B	86 01 04	86 01 26	1 680.0	Standing
6505	PCI et al Sojer b-82-L	86 01 31	86 02 14	2 225.0	Gas Well
6597	PCI et al Weasel d-97-B	86 11 26	86 12 09	1 165.6	Gas Well
6589	PCI Flatrock 6-5-85-16	86 11 16	86 12 01	1 510.0	Gas Well
6362	PCI GAO Yoyo d-4-L	85 12 05	86 02 05	948.0	Gas Well
6588	PCI Scurry W Peejay d-76-G	86 11 14	86 11 23	1 210.0	Abandoned-dry
6226	PCI Sextet d-11-K	85 02 17	86 01 28	2 005.0	Gas Well
6465	PCI Westar Border b-52-D	86 02 01	86 02 12	935.0	Abandoned-dry
6464	PCI Westar Condil d-71-B	86 02 13	86 02 26	2 065.0	Abandoned-dry
6396	PCI Westar La Jolie b-37-I	86 01 10	86 02 02	1 400.0	Abandoned-dry
6397	PCI Westar Sandy a-98-D	86 02 05	86 03 12	1 930.0	Abandoned-dry
6449	PCI Westcoast Wargen c-77-C	86 02 17	86 03 06	1 320.0	Oil Well
6504	PCP et al Doe 13-2-80-15	86 02 08	86 05 22	3 567.0	Standing
6458	Petrorep et al Buick b-70-H	85 12 28	86 01 04	1 135.0	Gas Well
6579	Petrorep et al N Boundary 6-13-87-14	86 10 20	86 10 31	1 448.0	Standing

Table P7 - Wells Drilled and Drilling, 1986 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6460	POCO Blueberry d-11-D	85 12 29	86 01 26	1 820.0	Abandoned-dry
6456	POCO Boundary 2-8-86-13	86 01 30	86 02 10	1 405.0	Oil Well
6529	POCO Buick c-57-I	86 02 13	86 02 24	1 439.0	Oil Well
6530	POCO Buick d-A58-I	86 02 28	86 03 06	1 103.0	Mult. Gas Well
6528	POCO Buick b-67-I	86 02 26	86 03 07	1 430.0	Oil Well
6519	POCO Buick a-68-I	86 02 13	86 02 26	1 922.0	Oil Well
6582	POCO Dawson Creek 6-27-79-15	86 10 15	86 10 23	967.0	Gas Well
6527	POCO Pluto 7-25-85-17	86 01 30	86 02 23	1 705.0	Gas Well
6577	Quintana et al Monias 10-11-83-21	86 09 07	86 10 06	1 493.0	Gas Well
6572	Quintana et al Monias 10-14-83-21	86 08 13	86 09 05	1 500.0	Gas Well
6593	Remington Marion c-54-G	86 12 19			Drilling
6563	Remington Sikanni a-13-H	86 06 30	86 08 21	2 038.2	Abandoned-dry
6348	Remington Sikanni b-37-H	85 10 25	86 01 14	2 179.0	Abandoned-dry
6434	Scurry CEGO Eagle 10-23-84-18	85 12 27	86 01 24	1 940.7	Abandoned-dry
6480	Scurry CEGO Eagle 12-23-84-18	86 01 28	86 02 21	1 949.0	Oil Well
6436	Scurry CEGO Eagle 4-25-84-18	85 12 30	86 02 06	1 950.0	Oil Well
6399	Scurry CEGO Eagle 2-26-84-18	86 02 25	86 03 16	1 710.1	Water Injection
6549	Scurry CEGO Eagle A5-26-84-18	86 03 02	86 03 11	1 074.0	Oil Well
6405	Scurry CEGO Eagle 1-35-84-18	86 02 09	86 03 21	1 735.0	Oil Well
6437	Scurry CEGO Eagle 3-35-84-18	86 02 26	86 03 18	1 860.0	Oil Well
6592	Scurry et al W Stoddart 14-22-85-20	86 11 19	86 12 16	1 990.0	Standing
6483	Scurry et al W Stoddart 10-27-85-20	86 01 16	86 02 05	1 927.0	Oil Well
6570	Scurry et al W Stoddart 8-28-85-20	86 07 29	86 08 18	1 975.0	Oil Well
6482	Scurry et al W Stoddart 10-34-85-20	86 02 07	86 02 28	1 885.0	Oil Well
6481	Scurry et al W Stoddart 2-4-86-20	86 03 21	86 04 09	1 982.0	Oil Well
6559	Scurry Placer Eagle 12-22-84-18	86 03 15	86 04 07	1 910.0	Standing
6441	Scurry Unit W Eagle 12-30-84-18	86 01 30	86 03 02	2 005.0	Oil Well
6442	Scurry Unit W Eagle 2-31-84-18	86 02 09	86 02 26	1 955.0	Oil Well
6447	Scurry Unit W Eagle 4-31-84-18	86 01 21	86 02 07	1 900.0	Oil Well
6410	Scurry Unit W Eagle 12-31-84-18	85 12 23	86 01 28	1 969.0	Oil Well
6457	Scurry Unit W Eagle 10-5-85-18	86 01 02	86 01 19	1 933.8	Oil Well

Table P7 - Wells Drilled and Drilling, 1986 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6413	Scurry Unit W Eagle 12-6-85-18	85 12 29	86 01 25	1 895.0	Oil Well
6412	Scurry Unit W Eagle 4-7-85-18	85 12 28	86 01 14	1 879.4	Oil Well
6495	Scurry Unit W Eagle 12-12-85-19	86 01 28	86 02 22	1 864.0	Oil Well
6327	Shell Flathead d-58-L	85 11 10	86 07 08	4 790.0	Standing
6486	Shell Grouse b-75-G	86 03 10	86 09 14	5 350.0	Abandoned-dry
6357	Shell Kishinena b-56-C	85 12 09	86 09 18	5 766.0	Standing
6477	Shell Kotcho b-A15-K	86 02 11	86 02 25	835.0	Abandoned-dry
6489	Shell Kotcho a-76-K	86 02 27	86 03 14	818.0	Gas Well
6448	Silverton Peejay d-10-I	86 01 04	86 01 13	1 185.0	Abandoned-dry
6556	Soquip et al Ft St John 8-26-83-18	86 03 10	86 03 24	1 530.0	Oil Well
6557	Soquip et al Ft St John 8-36-83-18	86 03 24	86 04 03	1 440.0	Oil Well
6494	Sorrel et al Beavertail d-67-A	86 01 29	86 02 09	1 275.0	Oil Well
6580	Sunarctic E Rigel 10-29-88-15	86 09 23	86 10 02	1 085.0	Abandoned-dry
6421	Sunarctic E Rigel 7-30-88-15	86 06 16	86 06 30	1 268.0	Gas Well
6586	Sunarctic E Rigel b-22-L	86 10 19	86 11 01	1 269.0	Abandoned-dry
6525	Suncor et al Blueberry A6-25-88-25	86 01 23	86 01 31	120.4	Water Source Well
6453	Suncor et al Blueberry d-A9-K	86 01 06	86 01 16	150.6	Water Source Well
6498	Suncor et al Blueberry d-A41-L	86 01 17	86 01 19	152.4	Standing
6445	Texaco Desan d-33-A	86 01 13	86 01 21	720.2	Abandoned-dry
6446	Texaco Desan d-82-A	86 01 22	86 02 01	695.0	Gas Well
6550	Texaco et al Boundary A11-18-85-13	86 11 23	86 11 29	1 315.0	Standing
6551	Texaco et al Boundary 3-29-85-13	86 11 13	86 11 21	1 324.0	Standing
6554	Texaco et al Boundary 11-22-85-14	86 11 10	86 11 21	1 484.0	Standing
6560	Texaco et al Boundary 4-33-85-14	86 11 01	86 11 12	1 431.0	Standing
6552	Texaco et al Boundary 5-1-86-14	86 10 17	86 10 28	1 470.0	Standing
6553	Texaco et al Boundary 5-13-86-14	86 10 25	86 11 08	1 420.0	Standing
6569	Texaco et al W Blueberry a-39-L	86 08 08	86 09 27	2 340.0	Standing
6455	Texaco Inga 8-25-87-24	86 06 05	86 06 18	1 640.0	Oil Well
6443	Texaco N Hay d-77-H	86 01 04	86 01 12	412.0	Gas Well
6526	Texaco N Hay d-99-H	86 02 02	86 02 07	390.0	Standing
6407	Union et al Peejay b-68-C	86 01 28	86 02 05	1 236.0	Oil Well

Table P7 - Wells Drilled and Drilling, 1986 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1986 Depth	Status at 1986 12 31
6406	Union et al Peejay b-90-C	85 12 30	86 01 08	1 205.0	Oil Well
6408	Union et al Peejay b-72-D	86 01 19	86 01 26	1 205.5	Oil Well
6409	Union et al Peejay b-12-E	86 01 09	86 01 17	1 190.0	Oil Well
6471	Unocal et al Elm d-46-C	86 02 18	86 03 01	1 190.0	Gas Well
6472	Unocal et al Elm d-68-C	86 02 06	86 02 16	1 230.0	Abandoned-dry
6542	Unocal et al Milligan c-73-G	86 03 02	86 03 08	1 151.0	Oil Well
6377	Wainoco N Red 11-18-86-21	85 12 03	86 01 03	2 095.0	Standing
6603	Westburne et al Currant d-82-K	86 12 14	86 12 23	1 254.0	Abandoned-dry
6440	Westburne et al Peejay b-67-C	86 02 17	86 02 27	1 225.0	Oil Well
6602	Westburne et al Peejay d-97-D	86 12 02	86 12 12	1 215.0	Standing
6571	Westcoast N Red 6-28-86-21	86 08 13	86 09 12	1 998.0	Abandoned-dry
6537	Wincan et al Rigel 8-33-87-17	86 07 03	86 07 10	1 120.0	Oil Well

Table P8 - Summary of Drilling and Production Statistics, 1986

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Well authorizations issued	53	24	6	-	1	4	6	5	6	7	17	12	141
Well authorizations cancelled	29	2	10	-	17	5	7	3	1	2	3	1	80
Wells spudded	39	36	18	-	-	5	5	5	3	8	12	8	139
Rigs operated (during month)	41	42	34	15	8	9	9	10	8	8	13	13	40[1]
Rigs operating (at months end)	34	29	15	8	5	6	6	5	2	4	7	8	
Metres Drilled -													
Development	32 050.7	35 400.7	27 149.1	8 632.5	3 505.0	2 908.0	2 280.0	4 700.0	3 498.0	6 463.0	10 816.0	11 288.6	145 186.6
Exploratory Outpost	5 762.0	9 887.0	6 485.0	2 101.0	2 139.0	--- --- -	--- --- -	2 038.2	4 900.0	--- --- -	1 510.0	3 714.0	34 057.2
Exploratory Wildcat	10 202.9	17 207.0	17 827.3	4 075.0	3 567.0	3 000.0	7 823.0	3 673.0	11 116.0	376.6	--- --- -	--- --- -	87 851.8
Totals	49 015.6	62 494.7	51 461.4	14 808.5	9 211.0	5 908.0	10 103.0	10 411.0	19 514.0	6 839.6	12 326.0	15 002.6	267 095.6
Oil wells	11	18	12	2	--- --- -	1	1	1	--- --- -	--- --- -	1	--- --- -	47
Gas wells	7	9	7	3	2	2	1	1	2	2	1	2	39
Abandoned wells	12	14	11	1	--- --- -	--- --- -	1	4	2	1	2	4	52
Service wells	2	--- --- -	1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3
Standing wells	3	1	2	2	1	--- --- -	2	--- --- -	2	3	5	3	24
Totals	35	42	33	8	3	3	5	6	6	6	9	9	165
Producible oil wells	1 124	1 139	1 139	1 160	1 150	1 146	1 150	1 147	1 150	1 149	1 146	1 147	--- --- -
Producing oil wells	708	709	706	655	639	663	635	649	652	653	691	641	--- --- -
Production in m^3	171 318.9	156 706.0	176 242.1	165 832.4	165 256.4	160 176.6	168 237.3	169 836.6	168 254.9	172 972.7	168 974.1	175 639.0	2 019 450.0
Average daily production	5 526.4	5 403.7	5 685.2	5 527.7	5 330.9	5 339.2	5 427.0	5 478.7	5 608.5	5 579.8	5 632.5	5 665.8	5 532.7
Producible gas wells	2 048	2 055	2 065	2 065	2 073	2 074	2 096	2 097	2 104	2 103	2 105	2 108	--- --- -
Producing gas wells	634	628	481	429	306	329	250	509	399	386	624	637	--- --- -
Production in 10^3m^3 (raw)	999 959.6	865 641.6	659 199.2	580 506.8	482 778.8	349 410.0	395 905.0	378 071.6	521 843.1	635 957.0	969 940.6	1 122 478.7	7 957 692.0[2]
Average daily production (raw)	32 256.8	29 849.7	21 135.5	19 350.2	15 573.5	11 647.0	12 771.1	12 195.9	17 394.8	20 514.7	32 331.4	36 209.0	21 801.9

SUMMARY FOR 1986

Drilled		Completions	
Locations drilled	161	Oil wells[3]	47
Multizone wells	4	Gas wells[3]	39
Re-entries	—	Service wells	52
Totals	165	Standing wells	24
		Abandoned	3
		Totals	165

1 Rigs operated during 1986
2 Non-associated gas production only
3 Each zone of a multizone well is counted as one well

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1988
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
AIRPORT													
HALFWAY - B	8.8	28.7	1.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3.2	42.4
AITKEN CREEK													
GETHING - A	1,498.3	1,041.8	1,024.3	1,028.3	1,037.1	771.8	1,247.0	1,592.8	1,525.9	1,543.8	1,879.8	2,212.5	16,201.0
ALCES													
KISKATINAW - A*	18.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	131.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	150.8
BEAR FLAT													
BEAR FLAT - A	200.8	180.2	208.8	204.0	208.2	187.5	190.0	188.8	201.8	191.4	199.3	205.7	2,343.9
BEATTON RIVER													
HALFWAY - A	2,330.8	2,011.9	2,028.1	3,153.7	3,102.1	2,454.8	--- --- -	3,311.7	2,397.8	3,113.1	2,770.5	3,373.8	30,047.9
HALFWAY - B	137.8	132.7	108.7	84.3	112.1	75.0	--- --- -	120.9	55.8	92.3	89.8	62.8	1,071.8
HALFWAY - C	13.2	--- --- -	28.5	29.5	22.8	18.7	--- --- -	28.1	27.8	5.8	8.4	25.2	208.8
HALFWAY - D	553.0	--- --- -	482.7	472.8	505.8	464.0	458.8	408.0	384.5	400.4	324.8	274.7	4,707.9
TOTALS	3,034.8	2,144.8	2,848.0	3,720.1	3,742.4	3,012.3	458.8	3,868.7	2,845.5	3,611.4	3,191.3	3,756.5	36,033.0
BEATTON RIVER WEST													
BLUESKY - A	1,798.5	1,498.5	1,812.9	1,500.8	1,837.0	1,455.9	177.5	1,818.9	878.0	1,458.1	1,422.5	1,384.8	18,818.2
BEAVERDAM													
UPPER HALFWAY - A*	18.8	15.0	18.8	14.9	18.7	17.7	15.4	18.1	14.8	15.1	14.1	18.8	194.0
BEAVERTAIL													
HALFWAY - B	878.2	347.1	413.1	493.4	808.8	400.3	450.7	474.7	452.5	513.0	874.5	555.4	8,257.5
BERNADET													
HALFWAY - B*	--- --- -	8.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	8.4
BIRCH													
BALDONNEL - B*	55.7	55.8	74.8	32.8	38.7	12.5	49.0	37.9	--- --- -	--- --- -	--- --- -	124.8	479.8
BALDONNEL - C	818.3	634.1	858.7	304.7	58.2	536.2	810.8	474.4	441.9	341.8	388.9	373.8	5,818.4
TOTALS	872.0	689.9	731.5	337.3	95.9	548.7	859.8	512.3	441.9	341.8	388.9	498.2	6,088.0
BLUEBERRY													
DEBOLT - A	2,532.7	2,224.2	2,375.0	2,205.5	2,018.0	2,048.5	2,005.9	2,173.5	1,948.3	2,020.4	1,794.8	2,048.3	25,388.9
DEBOLT - B	1,388.8	1,215.2	1,334.9	1,398.3	1,481.3	1,362.1	1,458.2	1,398.3	1,272.3	1,385.9	1,238.8	1,314.2	16,207.3
TOTALS	3,918.5	3,438.4	3,708.8	3,801.8	3,478.3	3,410.8	3,488.1	3,572.8	3,221.8	3,388.3	3,034.4	3,383.5	41,584.2
BLUEBERRY WEST													
CONFIDENTIAL*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	29.2	29.2

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1988 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
BOUNDARY LAKE													
BALDONNEL - B*	7.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	7.1
CECIL - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	16.2	62.4	55.9	56.0	25.6	--- --- -	216.1
BOUNDARY LAKE - A	54,344.5	48,616.3	54,928.1	51,021.4	52,306.2	49,662.4	53,539.5	55,313.0	53,114.3	53,505.3	52,866.8	55,192.4	634,414.2
COPLIN - B	152.6	133.3	139.2	131.0	132.1	121.7	116.1	119.8	116.9	112.5	106.8	114.8	1,496.7
HALFWAY - H	247.5	288.3	236.8	--- --- -	316.9	330.5	287.1	183.9	218.8	227.8	229.8	154.0	2,721.4
HALFWAY	1,164.7	605.4	1,154.3	1,066.2	1,139.8	1,168.9	1,095.1	586.3	631.0	1,067.9	966.4	666.7	11,354.7
TOTALS	55,916.3	49,645.3	56,458.4	52,218.6	53,897.0	51,283.5	55,054.0	56,265.4	54,136.9	54,969.5	54,217.4	56,147.9	650,210.2
BOUNDARY LAKE NORTH													
HALFWAY - B*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	38.8	133.5	105.8	187.1	465.2
HALFWAY - C	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	231.5	231.5
HALFWAY - C*	266.1	204.4	122.3	81.4	97.9	102.0	149.1	125.6	136.3	177.9	149.2	121.8	1,738.0
HALFWAY - D	266.0	279.9	274.5	266.4	262.2	249.2	265.5	241.8	225.9	232.0	250.5	236.1	3,071.0
TOTALS	554.1	484.3	396.8	349.8	360.1	351.2	414.6	367.4	403.0	543.4	505.5	775.5	5,505.7
BUICK CREEK													
DUNLEVY - C*	105.5	71.4	--- --- -	--- --- -	--- --- -	9.4	--- --- -	29.5	--- --- -	--- --- -	56.7	78.7	353.2
DOIG - A	335.1	289.6	293.7	359.3	304.6	343.4	368.1	335.2	302.6	273.8	246.2	291.9	3,743.9
DOIG - B	444.2	342.0	1,547.7	2,528.1	1,867.5	1,487.6	1,490.3	1,182.6	1,100.8	1,163.3	1,042.7	1,051.2	15,248.0
TOTALS	884.8	703.0	1,841.4	2,887.4	2,172.3	1,840.4	1,858.4	1,547.3	1,403.6	1,437.1	1,347.6	1,421.8	19,345.1
BUICK CREEK WEST													
GETHING - A	18.6	14.9	31.7	20.6	--- --- -	20.6	30.0	32.6	32.3	32.5	29.0	31.5	294.3
DUNLEVY - B*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	33.6	--- --- -	--- --- -	--- --- -	33.6
TOTALS	18.6	14.9	31.7	20.6	--- --- -	20.6	30.0	32.6	65.9	32.5	29.0	31.5	327.9
BULRUSH													
HALFWAY - A	522.1	428.2	515.3	483.4	500.6	467.6	449.2	478.9	289.3	527.7	514.5	476.3	5,653.5
HALFWAY - B	16.6	5.9	20.6	8.9	15.3	20.6	11.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	100.0
TOTALS	538.7	434.1	535.9	492.3	516.1	488.6	461.1	478.9	289.3	527.7	514.5	476.3	5,753.5
BULRUSH EAST													
HALFWAY - A	7.4	8.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	15.9
CECIL LAKE													
SIPHON - A	35.9	34.6	40.1	26.0	31.6	40.6	39.6	36.0	33.3	37.9	36.6	39.6	434.6
CECIL - A	689.7	642.0	662.6	620.5	660.5	586.5	654.3	648.9	600.0	591.2	577.6	625.3	7,599.5
CECIL - B	184.7	89.6	183.0	153.9	205.1	139.4	210.0	127.1	222.3	253.1	196.0	--- --- -	1,944.2
NORTH PINE - A	628.4	575.0	607.5	596.3	604.5	404.9	593.9	647.5	527.4	724.4	639.4	237.6	6,787.0
NORTH PINE - A*	66.1	69.7	56.1	50.3	63.5	14.6	48.5	55.1	59.8	58.6	66.7	73.5	666.7

* => CONDENSATE

Table P8 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1986 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
NORTH PINE - B	1.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1.3
NORTH PINE - C	404.8	443.2	443.0	510.1	352.2	488.8	490.3	417.8	414.2	411.4	374.8	61.5	4,811.9
TOTALS	2,012.8	1,854.1	1,992.5	1,957.1	1,937.8	1,877.0	2,036.8	1,932.4	1,857.0	2,076.8	1,893.3	1,037.7	22,265.2
CRUSH													
HALFWAY - A	533.7	579.3	657.0	555.5	540.8	522.7	542.4	625.1	744.5	603.9	519.5	655.5	7,079.7
CURRANT													
HALFWAY - A	557.8	487.7	514.4	523.7	541.4	494.9	419.2	389.3	439.8	345.7	368.5	413.8	5,516.8
DESAN													
SHUNDA - A	8.0	259.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	267.9
PEKISKO - A	10.0	162.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	172.9
PEKISKO - B	121.7	325.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	447.3
PEKISKO - C	1,347.5	369.0	372.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,089.1
PEKISKO - F	197.9	44.3	66.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	308.5
TOTALS	1,685.1	1,161.7	438.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,285.7
EAGLE													
GETHING - A	--- --- -	51.5	--- --- -	--- --- -	440.3	351.4	333.6	305.4	186.2	201.0	164.6	72.2	2,106.6
BELLOY-KISKATINAW	7,083.6	6,317.0	6,382.0	9,301.5	10,443.6	9,647.5	10,384.6	10,738.9	11,015.6	11,063.7	11,016.4	12,191.0	117,585.8
TOTALS	7,083.6	6,368.5	6,382.0	9,301.5	10,883.9	9,998.9	10,718.6	11,044.3	11,202.0	11,264.7	11,181.2	12,263.2	119,702.4
EAGLE WEST													
BELLOY - A	37,194.7	36,407.9	39,891.9	39,794.1	37,570.8	36,535.6	36,553.1	35,077.9	37,863.8	39,399.0	37,436.6	36,863.0	454,628.3
BELLOY - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	25.8	--- --- -	25.8
TOTALS	37,194.7	36,407.9	39,891.9	39,794.1	37,570.8	36,535.6	36,553.1	35,077.9	37,863.8	39,399.0	37,462.3	36,863.0	454,654.1
ELM													
HALFWAY - A	136.2	83.7	99.7	73.0	72.4	93.6	54.4	56.2	79.5	21.1	29.1	62.0	661.1
HALFWAY - B	143.0	122.6	155.2	185.5	136.2	150.9	83.9	144.9	102.2	48.7	69.9	132.3	1,475.5
HALFWAY - C*	--- --- -	--- --- -	21.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	21.9
TOTALS	279.2	206.5	276.8	258.5	208.6	244.7	138.3	201.1	181.7	69.8	99.0	194.3	2,358.5
FIREWEED													
DUNLEVY - B*	53.5	45.4	--- --- -	--- --- -	--- --- -	14.9	5.2	70.9	9.8	29.1	54.2	30.9	343.9
FLATROCK													
BOUNDARY LAKE - A	20.8	--- --- -	27.7	--- --- -	--- --- -	28.4	15.0	--- --- -	28.4	33.0	28.8	--- --- -	179.7
BOUNDARY LAKE - B	281.8	281.0	278.0	261.0	273.1	255.9	269.4	260.8	249.8	263.8	236.2	274.0	3,165.8
BOUNDARY LAKE - C	144.0	85.9	131.0	--- --- -	--- --- -	--- --- -	--- --- -	18.2	61.3	74.1	63.7	100.9	679.1
HALFWAY - A*	31.7	19.0	37.2	51.0	43.2	40.5	51.1	24.5	58.0	--- --- -	32.1	58.8	457.1

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1988 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
HALFWAY - E	994.1	278.0	697.2	326.1	428.1	644.8	731.3	664.5	620.4	787.7	510.6	569.4	7,252.4
HALFWAY - I*	74.8	55.1	10.7	10.4	61.9	26.7	--- --- -	39.2	53.9	114.2	79.5	46.9	573.3
TOTALS	1,547.0	699.0	1,182.8	648.5	806.3	996.3	1,066.8	1,007.2	1,079.8	1,252.6	950.9	1,070.0	12,307.2
FORT ST JOHN													
NORTH PINE - A	577.1	508.2	563.7	557.2	479.4	491.7	636.2	516.6	925.3	619.8	549.7	872.9	7,296.8
NORTH PINE - C	193.1	195.1	238.1	243.8	236.8	168.1	244.1	218.2	225.0	234.5	219.2	259.5	2,677.5
TOTALS	770.2	704.3	801.8	801.0	716.2	659.8	880.3	734.8	1,150.3	854.3	768.9	1,132.4	9,976.3
HELMET NORTH													
JEAN MARIE - A*	11.8	27.2	13.2	8.8	2.5	--- --- -	1.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	64.3
INGA													
INGA - A	9,722.1	8,217.8	9,408.8	9,158.8	7,427.5	7,591.0	8,587.2	8,612.1	8,531.1	8,763.9	9,720.8	9,328.8	105,067.7
INGA - B	59.9	32.4	38.0	40.5	11.1	33.1	44.2	32.4	38.0	28.7	24.5	--- --- -	382.8
TOTALS	9,782.0	8,250.2	9,446.8	9,199.3	7,438.8	7,624.1	8,631.4	8,644.5	8,569.1	8,792.8	9,745.3	9,328.8	105,450.5
INGA NORTH													
INGA - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	12.4	--- --- -	--- --- -	12.4
JEDNEY													
BALDONEL - A*	10.7	14.0	13.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	- - --- -	--- --- -	24.2	62.8
HALFWAY - A*	4.2	4.4	6.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	15.0
TOTALS	14.9	18.4	20.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	24.2	77.8
KOTCHO LAKE													
SLAVE POINT - C*	--- --- -	--- --- -	--- --- -	193.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	193.9
LAGARDE													
DUNLEVY - B	453.9	391.9	--- --- -	250.0	407.2	475.4	314.3	358.7	338.2	355.5	315.1	278.9	3,937.1
MICA													
MICA - A	531.1	459.1	492.8	328.5	203.8	410.8	470.2	466.8	428.8	438.3	395.7	457.2	5,082.5
NORTH PINE - A	156.5	239.9	270.0	267.4	270.5	273.5	231.0	274.2	236.0	254.9	226.2	254.3	2,954.4
TOTALS	687.6	699.0	762.8	595.9	474.3	684.1	701.2	741.0	664.8	693.2	621.9	711.5	8,036.9
MIKE													
GETHING - A	337.8	368.1	275.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	512.6	1,494.4
MILLIGAN CREEK													
GETHING - B	--- --- -	28.8	46.3	31.8	48.4	41.0	46.5	46.5	31.3	43.2	42.3	32.0	436.9
HALFWAY - A	6,190.0	5,830.0	6,080.9	3,538.8	5,822.4	5,841.4	5,177.3	5,014.0	5,415.1	5,544.0	5,508.7	5,622.8	66,885.2

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1988 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TOTALS	6,190.0	5,956.8	6,129.2	3,570.2	5,866.8	5,882.4	5,223.8	5,080.5	5,446.4	5,587.2	5,551.0	5,854.8	66,321.1
NETTLE													
GETHING - A	167.7	98.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	17.9	127.8	410.3
NIG CREEK													
BALDONNEL - A	62.7	46.8	41.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	151.0
BALDONNEL - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	54.4	60.6	87.3	33.2	59.0	24.6	--- --- -	319.1
TOTALS	62.7	46.8	41.5	--- --- -	--- --- -	54.4	60.6	87.3	33.2	59.0	24.6	--- --- -	470.1
NOEL													
CADOTTE - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	.3	--- --- -	--- --- -	--- --- -	--- --- -	0.3
CONFIDENTIAL*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	.1	--- --- -	--- --- -	--- --- -	--- --- -	0.1
TOTALS	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	.4	--- --- -	--- --- -	--- --- -	--- --- -	0.4
NORTH PINE													
NORTH PINE - B	103.9	97.0	118.8	162.4	173.9	58.9	119.3	91.8	95.8	89.9	116.7	185.7	1,414.1
OAK													
CECIL - B	100.0	48.4	100.1	92.8	98.3	90.7	94.7	94.5	91.2	98.5	84.9	97.2	1,089.3
HALFWAY - A*	233.5	228.3	261.4	290.8	353.7	100.7	378.0	328.9	137.9	--- --- -	119.2	11.0	2,443.4
HALFWAY - B	1,342.1	1,303.0	1,434.9	1,206.3	1,282.4	1,290.3	1,200.0	1,211.9	1,251.8	1,278.5	1,110.4	1,200.4	15,112.0
TOTALS	1,675.6	1,579.7	1,796.4	1,589.9	1,732.4	1,481.7	1,672.7	1,635.3	1,480.9	1,377.0	1,314.5	1,308.6	18,644.7
OSPREY													
HALFWAY - A	221.8	165.2	168.1	256.7	222.5	182.7	248.9	187.4	204.9	166.2	147.8	240.9	2,413.1
HALFWAY - A*	156.4	170.8	62.1	94.4	71.3	111.3	157.8	180.2	109.8	143.1	116.1	--- --- -	1,373.3
HALFWAY - D	226.3	214.6	100.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	34.5	216.4	792.3
TOTALS	604.5	550.6	350.7	351.1	293.8	294.0	406.7	347.6	314.7	309.3	298.4	457.3	4,578.7
PEEJAY													
HALFWAY - L	34.7	47.5	48.3	41.0	42.5	42.0	43.7	39.7	25.1	36.3	24.9	31.2	456.9
HALFWAY	9,785.7	10,174.8	13,683.4	11,749.8	10,982.7	11,052.6	11,520.8	10,979.3	10,436.5	10,672.4	10,593.4	10,240.8	131,872.0
TOTALS	9,820.4	10,222.3	13,731.7	11,790.8	11,025.2	11,094.6	11,564.3	11,019.0	10,461.6	10,708.7	10,618.3	10,272.0	132,328.9
PEEJAY WEST													
HALFWAY - A	516.8	366.9	461.5	444.2	456.1	432.4	462.7	495.9	467.4	442.5	419.8	483.5	5,449.7
PICKELL													
HALFWAY - A*	21.7	11.4	13.7	1.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	15.8	13.2	77.5

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1986 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
RIGEL													
DUNLEVY - A	335.2	288.3	364.8	257.0	105.4	279.2	276.1	298.7	276.0	266.7	257.5	279.7	3,282.8
DUNLEVY - B	30.2	26.8	32.3	29.0	28.7	22.1	23.0	20.3	18.2	21.0	18.2	4.8	274.4
DUNLEVY - E	--- --- -	--- --- -	191.6	--- --- -	--- --- -	--- --- -	--- --- -	157.3	185.7	49.7	--- --- -	--- --- -	584.3
DUNLEVY - I	107.8	89.2	98.8	104.8	103.9	118.8	88.8	183.8	172.1	123.8	105.8	114.4	1,411.4
TOTALS	473.2	384.1	687.5	390.8	238.0	419.9	387.9	658.1	652.0	461.0	381.5	398.9	5,532.7
RIGEL EAST													
GETHING - A*	93.0	46.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	8.7	--- --- -	40.8	21.5	209.8
SIPHON													
DUNLEVY - C	15.3	20.8	8.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	44.8
SIPHON - A*	52.5	29.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	5.8	--- --- -	--- --- -	88.1
HALFWAY - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3.8	--- --- -	18.2	37.1	59.1
TOTALS	67.8	50.4	8.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3.8	5.8	18.2	37.1	192.0
SIPHON EAST													
BLUESKY - A	28.9	28.4	29.0	28.2	31.8	19.0	28.9	20.1	25.4	24.5	24.0	25.7	307.9
SQUIRREL													
NORTH PINE - A	188.7	180.5	190.1	174.5	180.3	170.8	195.3	182.0	173.0	227.3	227.0	228.4	2,295.7
STODDART													
CECIL - A	18.1	18.2	15.3	14.8	13.1	12.9	11.8	11.3	9.8	2.5	--- --- -	--- --- -	125.4
CECIL - B	164.8	139.3	120.9	110.4	113.5	147.8	115.1	124.0	107.2	88.7	109.3	--- --- -	1,340.8
CECIL - C	129.8	90.0	2.0	--- --- -	--- --- -	17.7	132.8	101.9	109.7	121.9	119.9	--- --- -	825.7
BELLOY - A*	55.3	62.8	11.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	82.3	53.9	265.1
BELLOY - C	269.5	649.3	1,217.8	195.7	31.8	832.5	996.1	985.8	958.4	839.7	724.8	746.4	8,447.8
TOTALS	637.3	957.4	1,367.0	320.7	158.2	1,010.9	1,255.8	1,223.0	1,184.9	1,052.8	1,036.3	800.3	11,004.8
STODDART SOUTH													
BELLOY - A	541.7	555.2	492.2	279.3	287.8	280.8	281.0	288.1	284.4	280.8	221.7	285.5	4,058.1
STODDART WEST													
BEAR FLAT - A	53.5	21.3	19.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	94.2
DOIG - B	66.1	60.5	125.6	120.4	--- --- -	36.3	158.2	117.3	78.8	72.7	83.4	88.2	1,007.5
BELLOY - A*	276.0	236.1	274.7	191.4	195.4	198.7	1,306.8	990.9	1,099.2	218.0	288.2	825.9	6,101.1
BELLOY - C	6,458.5	6,267.2	6,531.2	6,403.1	6,489.0	6,227.2	7,175.8	7,585.7	7,061.4	7,078.0	6,860.0	7,233.8	81,191.9
BELLOY - D*	16.7	4.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	21.1
BELLOY - E*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	117.7	136.0	120.9	80.4	62.9	81.7	605.6
TOTALS	6,871.8	6,589.5	6,950.9	6,714.9	6,884.4	6,462.2	8,758.3	8,829.9	8,366.3	7,449.1	7,094.5	8,229.6	89,021.4

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1986 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TWO RIVERS													
HALFWAY - B	49.5	44.7	46.7	45.2	47.1	24.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	260.0
WARGEN													
GETHING - A	537.0	579.0	289.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,405.0
WEASEL													
HALFWAY - B	120.2	124.4	35.3	139.3	66.6	89.1	53.8	26.5	15.5	87.5	119.6	131.6	1,013.4
HALFWAY - F	112.6	112.5	104.7	114.8	130.2	90.3	116.9	66.8	33.2	106.3	86.1	100.5	1,178.9
HALFWAY - I	527.1	259.1	394.9	322.9	416.6	331.8	440.0	397.1	412.4	386.6	378.5	369.7	4,636.7
HALFWAY	6,402.5	5,721.2	6,373.4	6,112.2	5,737.1	6,620.5	7,606.5	7,573.9	7,539.3	7,628.8	7,660.0	7,133.3	82,108.7
HALFWAY*	11.7	6.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	13.6	32.1
TOTALS	7,174.1	6,224.0	6,908.3	6,689.2	6,352.5	7,131.7	8,219.2	8,066.3	8,000.4	8,211.2	8,244.2	7,748.7	88,969.8
WEASEL WEST													
HALFWAY - A	294.6	268.0	300.6	270.2	260.7	247.2	255.4	268.2	248.0	215.4	265.5	262.5	3,154.5
HALFWAY - B	57.6	52.5	30.6	16.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	157.9
HALFWAY - C	2.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2.5
TOTALS	354.9	320.5	331.6	287.0	260.7	247.2	255.4	268.2	248.0	215.4	265.5	262.5	3,314.9
WILDMINT													
BLUESKY - A*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1.7	--- --- -	--- --- -	--- --- -	--- --- -	1.7
UPPER HALFWAY - A	157.7	218.4	429.3	349.6	319.0	253.3	227.1	193.7	170.2	139.6	198.6	223.6	2,880.1
HALFWAY - A	2,298.3	2,008.1	2,158.9	2,072.4	2,125.9	2,019.5	1,950.7	1,997.4	1,732.7	1,987.9	1,982.1	2,145.3	24,479.2
TOTALS	2,456.0	2,226.5	2,588.2	2,422.0	2,444.9	2,272.8	2,177.8	2,192.8	1,902.9	2,127.5	2,180.7	2,368.9	27,361.0
WILLOW													
GETHING - A	103.0	93.5	123.7	111.7	81.3	68.6	82.7	84.2	99.8	140.5	144.8	144.7	1,278.3
WOLF													
HALFWAY - A	1,004.8	859.6	887.3	584.1	592.9	797.3	882.3	818.4	854.0	885.0	838.6	892.9	9,695.2
OTHER AREA													
DUNVEGAN*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	0.1
CADOTTE*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	.5	0.5
FALHER*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	7.0	1.2	8.2
BLUESKY*	--- --- -	51.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	51.5
DUNLEVY*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1.1	3.0	5.0	--- --- -	--- --- -	9.1
INGA	51.6	34.9	41.0	39.6	--- --- -	44.0	52.8	44.5	47.7	46.0	41.0	42.8	485.9
HALFWAY*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4.5	4.5
BELLOY	--- --- -	--- --- -	36.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	36.9
MISSISSIPPIAN	10.6	151.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	161.9
KISKATINAW*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	103.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	103.8

* => CONDENSATE

Table P9 - Monthly Crude Oil and Condensate Production by Fields and Pools - 1986 - CONTINUED
(Volumes in cubic meters at 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TOTALS	62.2	237.7	77.9	39.6	--- --- -	44.0	156.7	45.6	50.7	51.0	48.0	49.0	862.4
TOTALS													
Crude	171,318.9	155,818.8	177,115.9	165,930.8	165,283.8	161,242.1	168,237.3	170,448.7	168,254.9	172,972.7	166,974.1	175,683.0	2,021,267.0 ▲
Condensate	1,675.8	1,437.5	996.0	1,021.4	942.8	703.4	2,575.5	2,127.3	1,939.5	1,052.3	1,363.0	1,856.4	17,690.9 ▲
Totals	172,994.7	157,254.3	178,111.9	166,952.2	166,208.6	161,945.5	170,812.8	172,574.0	170,194.4	174,025.0	170,337.1	177,549.4	2,038,957.9

* => CONDENSATE
▲ = AMENDED

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1998
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
AIRPORT													
BLUESKY - A	117.3	210.2	54.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	173.3	555.2
DUNLEVY - A	326.2	211.8	98.5	353.9	339.0	41.2	--- --- -	--- --- -	--- --- -	--- --- -	249.2	205.4	1,825.0
HALFWAY - B*	11.7	14.0	4.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	17.3	47.0
TOTALS	455.2	435.8	156.9	353.9	339.0	41.2	--- --- -	--- --- -	--- --- -	--- --- -	249.2	396.0	2,427.2
AITKEN CREEK													
GETHING - A	--- --- -	--- --- -	--- --- -	--- --- -	1,320.5	2,374.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	951.4	4,646.8
GETHING - A*	3,968.9	3,590.7	4,205.7	3,466.7	1,862.3	1,513.4	3,267.1	4,089.2	3,840.7	3,774.9	3,401.5	4,644.2	41,425.3
TOTALS	3,968.9	3,590.7	4,205.7	3,466.7	3,182.8	3,888.3	3,267.1	4,089.2	3,840.7	3,774.9	3,401.5	5,595.6	46,072.1
ALCES													
KISKATINAW - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,594.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,594.0
ATTACHIE													
UPPER KISKATINAW - A	1,424.1	3,091.9	258.8	142.7	--- --- -	--- --- -	--- --- -	1,805.6	1,888.9	130.2	1,473.7	2,122.3	12,138.2
BEAR FLAT													
BEAR FLAT - A*	1,342.2	1,259.4	1,332.6	1,343.9	1,324.3	1,181.0	1,298.0	1,264.3	1,272.8	1,085.9	1,353.3	1,315.9	15,353.6
BEATTON RIVER													
HALFWAY - A*	75.7	62.9	84.1	314.4	384.3	117.3	--- --- -	173.0	207.5	381.9	204.6	188.5	2,184.2
HALFWAY - B*	350.4	338.7	308.4	185.2	324.4	322.7	--- --- -	386.9	229.0	370.0	318.8	355.1	3,490.6
HALFWAY - C*	19.0	--- --- -	23.1	24.6	24.8	19.1	--- --- -	26.1	26.0	5.7	3.4	22.8	194.6
HALFWAY - D*	154.2	--- --- -	126.9	118.9	141.1	129.0	134.4	124.1	87.4	112.4	100.0	74.6	1,313.0
TOTALS	599.3	402.6	522.5	643.1	884.6	588.1	134.4	710.1	559.9	870.0	626.8	641.0	7,182.4
BEATTON RIVER WEST													
BLUESKY - A*	141.5	119.3	145.2	153.9	165.8	151.2	34.7	174.1	111.2	150.6	149.9	156.8	1,654.2
BEAVERDAM													
UPPER HALFWAY - A	1,359.8	1,108.2	1,324.1	1,246.0	1,259.3	1,265.8	1,149.6	1,247.6	1,138.7	954.0	987.8	1,024.6	14,065.3
BEAVERTAIL													
GETHING - A	7,654.9	6,295.9	1,256.4	3,100.5	3,189.1	814.8	523.3	5,962.8	6,459.4	981.7	6,418.4	6,268.5	48,924.7
HALFWAY - B*	370.8	37.0	40.5	54.9	179.1	45.4	47.3	59.8	56.1	151.9	247.2	134.3	1,424.3
TOTALS	8,025.7	6,332.9	1,295.9	3,155.4	3,368.2	860.2	570.6	6,022.6	6,515.5	1,113.6	6,665.6	6,422.8	50,349.0
BEG													
BALDONNEL - B	791.5	1,238.7	509.7	207.7	--- --- -	--- --- -	--- --- -	3,274.7	186.3	1,855.5	4,171.4	3,848.2	16,083.7
BALDONNEL - C	1,023.7	118.8	1,595.5	802.8	8.2	--- --- -	--- --- -	1,160.3	139.1	--- --- -	1,242.2	1,000.7	7,091.3
HALFWAY - A	3,537.1	2,122.1	697.7	670.5	--- --- -	--- --- -	515.6	4,259.0	221.1	2,740.3	4,880.6	7,006.0	26,850.0

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TOTALS	5,352.3	3,479.6	2,802.9	1,681.0	8.2	--- --- -	515.6	8,894.0	546.5	4,595.8	10,294.2	11,854.9	49,825.0
BERNADET													
BLUESKY - C	102.4	148.4	76.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	337.2	401.7	1,064.0
DUNLEVY - A	1,390.3	889.6	184.3	--- --- -	--- --- -	--- --- -	--- --- -	1,186.4	--- --- -	--- --- -	769.5	1,091.9	5,492.0
HALFWAY - B	--- --- -	528.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	528.5
TOTALS	1,492.7	1,544.5	260.6	--- --- -	--- --- -	--- --- -	--- --- -	1,186.4	--- --- -	--- --- -	1,106.7	1,493.6	7,084.5
BIRCH													
GETHING - B	225.3	176.5	194.1	185.8	194.8	192.5	196.0	177.3	48.9	--- --- -	163.7	190.3	1,944.8
BALDONNEL - A	128.5	102.0	120.7	114.9	120.7	112.1	113.6	99.2	16.3	--- --- -	78.0	102.0	1,108.0
BALDONNEL - B	931.8	790.5	784.1	979.1	818.1	776.3	876.0	853.7	116.5	--- --- -	661.3	970.5	8,377.9
BALDONNEL - C*	266.6	205.4	227.6	139.5	18.0	116.9	152.0	137.6	61.3	93.8	81.9	86.4	1,627.0
HALFWAY - A	421.7	333.7	395.1	364.2	358.1	360.6	381.7	322.5	41.0	--- --- -	132.3	294.4	3,425.3
TOTALS	1,993.9	1,608.1	1,721.6	1,803.3	1,509.5	1,558.4	1,719.3	1,390.3	304.0	93.8	1,137.2	1,643.6	16,483.0
BLUEBERRY													
DUNLEVY - A	865.8	872.6	913.7	1,048.7	953.1	925.2	1,056.8	950.1	1,025.2	1,074.0	1,039.8	1,055.7	11,780.3
DUNLEVY - B	1,467.5	1,180.0	479.4	386.5	305.5	355.5	446.4	285.8	450.1	452.7	208.1	488.4	6,483.9
BALDONNEL - B	199.8	206.0	33.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	438.7
DEBOLT - A*	453.4	382.7	450.3	366.9	369.6	373.4	407.5	490.1	464.1	400.1	413.5	392.8	4,964.4
DEBOLT - B*	1,949.4	1,593.4	2,051.6	1,879.7	2,099.4	2,015.0	2,168.3	2,282.6	2,170.7	2,081.0	2,048.9	1,800.4	24,118.4
TOTALS	4,935.7	4,233.7	3,928.9	3,681.8	3,727.6	3,669.1	4,078.8	3,968.6	4,110.1	4,007.8	3,708.3	3,737.3	47,785.7
BLUEBERRY WEST													
CONFIDENTIAL	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,141.9	1,141.9
BOUNDARY LAKE													
BLUESKY - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	271.0	970.8	1,241.8
GETHING - A	696.2	598.1	681.2	125.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	488.4	548.4	3,140.0
BALDONNEL - B	1,592.9	1,569.5	1,704.6	329.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,694.6	1,706.0	8,596.8
BALDONNEL - C	561.3	420.9	489.4	110.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	583.1	475.9	2,641.0
CECIL - B*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4.1	4.3	3.5	3.3	1.5	--- --- -	16.7
BOUNDARY LAKE - A*	4,924.8	4,213.8	5,219.8	4,735.1	4,873.9	4,594.9	4,922.7	5,026.5	4,966.4	5,066.1	4,958.7	5,012.8	58,519.5
BASAL BOUNDARY - A	162.8	134.2	157.3	34.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	152.9	133.0	774.3
COPLIN - B*	38.1	38.0	44.3	48.2	52.1	33.3	32.9	36.3	36.1	35.8	37.1	40.5	472.7
HALFWAY - H*	--- --- -	--- --- -	80.4	--- --- -	122.2	108.8	128.9	62.3	81.1	19.2	88.7	47.5	719.1
HALFWAY*	1,499.4	894.8	1,470.5	1,391.7	1,220.3	1,441.4	1,489.3	1,290.7	976.0	1,143.5	1,242.1	1,419.7	15,479.2
TOTALS	9,477.5	7,869.1	9,827.5	6,774.4	6,268.5	6,178.4	6,577.9	6,420.1	6,065.1	6,269.9	9,518.1	10,354.8	91,601.1
BOUNDARY LAKE NORTH													
HALFWAY - B	506.2	953.9	24.7	1,140.3	962.4	143.8	--- --- -	966.8	228.5	205.8	1,417.3	1,399.5	8,031.2

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
HALFWAY - C	683.9	503.4	177.9	203.3	289.2	322.9	403.4	366.7	349.5	456.8	391.8	359.9	4,510.7
HALFWAY - C*	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	17.5	17.5
HALFWAY - D*	183.8	170.8	180.5	180.8	120.2	137.1	139.4	131.3	106.3	100.8	101.2	90.8	1,622.4
TOTALS	1,375.9	1,628.1	383.1	1,504.2	1,371.8	603.8	542.8	1,484.8	684.3	825.2	1,910.3	1,867.5	14,181.8
BUBBLES													
BALDONNEL - A	1,949.2	--- --- -	128.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,895.7	4,618.9	9,591.8
BUBBLES NORTH													
BALDONNEL - A	5,293.1	4,199.4	236.7	3,680.5	25.4	--- --- -	--- --- -	1,520.3	--- --- -	1,767.4	4,496.2	5,349.1	26,568.1
BUICK CREEK													
BLUESKY - A	545.0	702.6	493.6	119.6	--- --- -	460.2	479.8	643.8	44.2	23.1	178.5	671.6	4,362.0
BLUESKY - B	296.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	296.3
BLUESKY - C	3,847.9	3,030.5	173.1	12.7	--- --- -	287.4	--- --- -	2,292.2	--- --- -	3,401.1	3,339.1	3,697.0	20,181.0
BLUESKY - D	72.4	222.3	21.4	--- --- -	--- --- -	39.4	--- --- -	138.1	331.2	--- --- -	261.9	46.0	1,132.7
BLUESKY - E	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	162.8	162.0	163.0	140.5	283.4	911.7
GETHING - A	66.6	62.0	85.9	4.4	--- --- -	--- --- -	--- --- -	27.0	--- --- -	--- --- -	34.3	153.6	453.8
DUNLEVY - A	5,833.7	4,175.8	237.4	85.1	55.0	487.0	--- --- -	3,813.3	54.4	2,736.9	4,131.9	3,550.7	24,941.2
DUNLEVY - B	5,495.3	4,706.7	1,458.5	787.0	444.6	1,295.4	1,610.8	4,043.0	646.3	1,853.8	3,081.3	4,208.9	29,813.6
DUNLEVY - C	4,578.1	4,639.6	1,450.2	1,985.7	2,672.9	2,817.2	2,111.1	4,140.7	3,211.6	2,798.5	5,095.9	4,300.0	39,779.5
DUNLEVY - G	91.1	15.4	96.2	57.9	44.1	101.7	122.8	80.2	24.3	5.2	85.4	94.0	798.3
DUNLEVY - H	1,974.2	1,725.7	1,923.0	1,484.8	1,351.0	1,345.1	1,410.7	1,424.8	292.6	96.7	1,341.4	1,723.2	18,073.2
DUNLEVY - I	3,005.1	2,313.0	2,582.5	2,435.4	1,872.4	2,044.9	834.8	311.8	--- --- -	--- --- -	843.2	2,005.9	18,249.0
DUNLEVY - K	2,768.2	2,410.1	2,739.8	2,803.8	2,550.5	2,428.1	2,128.8	1,820.9	--- --- -	--- --- -	984.7	--- --- -	20,234.7
DOIG - A*	114.1	106.7	120.1	128.1	116.8	113.7	128.1	121.5	152.4	107.4	187.0	124.3	1,518.0
DOIG - B*	1,180.2	838.7	1,875.8	2,763.1	2,325.1	2,422.2	2,453.8	2,029.4	1,725.4	1,463.4	1,433.3	1,477.9	21,768.3
TOTALS	29,768.2	24,949.1	13,057.5	12,405.8	11,432.2	13,822.3	11,280.5	20,829.5	8,848.4	12,847.1	21,138.4	22,338.5	200,313.3
BUICK CREEK NORTH													
BLUESKY - A	3,486.0	2,551.1	1,419.0	117.6	592.4	2,047.8	2,455.5	1,901.3	442.1	1.6	2,070.5	2,243.8	19,328.8
DUNLEVY - A	1,162.9	720.4	8.7	--- --- -	305.5	27.2	98.0	815.0	85.3	4.8	354.4	695.3	4,277.5
DUNLEVY - B	489.7	295.4	9.7	--- --- -	153.6	225.4	209.0	362.2	60.3	--- --- -	424.3	415.3	2,644.9
TOTALS	5,138.6	3,566.9	1,437.4	117.6	1,051.5	2,300.4	2,762.5	3,078.5	587.7	6.4	2,849.3	3,354.4	26,251.2
BUICK CREEK WEST													
BLUESKY - A	4,614.0	3,780.0	3,930.1	3,219.0	4,023.2	3,814.4	4,195.9	2,264.7	359.1	--- --- -	2,847.4	2,482.5	35,530.3
BLUESKY - C	202.3	166.8	9.6	--- --- -	96.5	139.2	110.6	107.7	12.9	--- --- -	94.5	128.6	1,068.7
GETHING - A*	51.1	32.3	84.7	42.5	--- --- -	78.2	96.4	93.1	91.8	100.9	106.2	113.3	892.5
DUNLEVY - A	1,073.1	813.6	--- --- -	--- --- -	149.9	--- --- -	275.5	871.7	169.0	--- --- -	541.9	938.0	4,832.7
DUNLEVY - B	4,098.0	2,868.7	35.6	--- --- -	2,898.4	1,323.3	1,371.8	3,232.1	579.6	108.3	2,754.2	4,034.9	23,104.9
DUNLEVY - E	351.5	742.8	81.9	701.3	1,101.8	1,035.4	1,079.8	844.3	633.0	--- --- -	433.5	485.0	7,490.1
BALDONNEL - A	59.4	52.2	17.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	68.7	197.3
HALFWAY - A	887.5	307.0	--- --- -	--- --- -	865.9	475.4	89.1	969.5	193.8	3.2	1,078.5	1,258.8	6,026.7

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TOTALS	11,436.9	8,563.4	4,158.9	3,962.8	8,935.7	6,865.9	7,218.9	8,383.1	2,039.2	212.4	7,856.2	9,509.8	79,143.2
BULRUSH													
HALFWAY - A*	1,244.4	975.0	1,205.1	1,181.1	1,111.2	1,040.5	996.2	1,034.7	630.9	1,096.5	1,136.4	1,143.6	12,795.6
HALFWAY - B*	49.5	5.7	74.0	19.0	37.2	68.0	35.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	288.4
TOTALS	1,293.9	980.7	1,279.1	1,200.1	1,148.4	1,108.5	1,031.2	1,034.7	630.9	1,096.5	1,136.4	1,143.6	13,084.0
BULRUSH EAST													
HALFWAY - A*	--- --- -	.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	0.5
BULLMOOSE													
BALDONNEL - A	28,430.9	24,012.5	17,228.1	2,164.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	28,777.8	35,436.8	35,205.3	171,258.2
CABIN													
SLAVE POINT - A	2,097.4	1,332.8	2,507.1	2,150.8	2,828.2	2,873.4	--- --- -	--- --- -	622.0	121.3	12.8	2,229.8	16,775.8
SLAVE POINT - B	3,404.9	2,979.4	3,180.2	2,544.7	1,159.2	1,056.7	--- --- -	--- --- -	1,233.8	2,837.3	2,258.5	2,774.4	23,428.9
SLAVE POINT - C	1,435.8	1,318.8	1,172.4	1,255.4	1,353.1	1,141.5	--- --- -	--- --- -	--- --- -	1,394.8	622.8	803.8	10,496.0
SLAVE POINT - D	1,441.7	977.3	982.1	99.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,825.4	2,254.9	7,580.8
TOTALS	8,379.8	6,608.1	7,841.8	6,050.1	5,340.5	5,071.6	--- --- -	--- --- -	1,855.8	4,353.2	4,719.5	8,062.9	58,281.1
CACHE CREEK													
COPLIN - A	1,857.2	1,578.0	380.4	1,458.6	1,257.9	122.8	116.6	648.9	727.9	114.4	1,414.2	1,350.8	11,025.7
COPLIN - B	3,892.8	1,836.8	1,305.9	2,549.6	1,220.1	800.6	1,666.9	1,938.4	952.2	312.0	2,533.8	3,096.7	21,905.8
HALFWAY - A	8,876.0	7,445.9	3,631.2	5,421.2	7,263.7	1,380.1	654.0	3,547.3	2,530.9	792.3	5,398.7	5,857.0	52,798.3
TOTALS	14,626.0	10,860.7	5,317.5	9,429.4	9,741.7	2,303.5	2,437.5	6,132.6	4,211.0	1,218.7	9,346.7	10,304.5	85,729.8
CECIL LAKE													
SIPHON - A*	2.3	2.4	2.7	.8	1.9	2.4	3.4	3.4	3.1	2.3	4.2	4.8	33.7
CECIL - A*	115.8	113.2	125.8	76.4	124.2	125.8	143.4	149.9	116.2	129.5	120.4	132.8	1,472.8
CECIL - B*	295.7	258.0	314.8	316.2	341.4	159.0	304.7	241.2	289.3	300.8	289.8	--- --- -	3,090.3
NORTH PINE - A	2,974.4	2,854.8	3,082.4	2,952.4	2,993.0	947.3	2,923.4	2,931.7	2,868.7	3,039.1	2,839.8	2,986.9	32,953.7
NORTH PINE - A*	907.8	878.8	947.3	879.4	900.4	640.7	978.5	803.7	761.2	1,037.4	944.8	571.8	10,251.8
NORTH PINE - B*	.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	0.4
NORTH PINE - C*	332.4	345.2	371.3	383.7	300.4	347.3	363.1	377.7	342.9	353.4	303.8	142.9	3,984.1
TOTALS	4,628.4	4,252.2	4,823.9	4,808.9	4,661.3	2,222.3	4,716.5	4,507.8	4,181.4	4,862.3	4,502.8	3,819.2	51,766.8
CLARKE LAKE													
SLAVE POINT - A	77,171.5	65,589.8	49,509.5	18,320.5	24,926.2	24,780.8	35,128.1	19,950.1	10,497.8	38,214.1	47,620.3	55,309.3	466,017.8
COMMOTION													
BALDONNEL - A	3,866.5	4,540.3	4,456.2	670.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	13,533.9

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
CRUSH													
HALFWAY - A*	216.3	193.6	204.6	186.1	187.0	179.4	189.9	191.7	177.1	190.4	179.2	190.9	2,286.2
CURRANT													
HALFWAY - A*	921.7	793.1	878.2	1,033.7	872.9	738.3	663.2	583.3	644.7	571.4	599.0	536.2	8,957.7
DAHL													
BLUESKY - A	22,484.7	17,895.6	7,696.1	4,001.5	3,982.2	3,804.1	3,671.5	13,066.4	6,828.2	1,821.1	15,858.9	16,571.9	117,882.2
DESAN													
SHUNDA - A*	190.1	87.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	277.5
PEKISKO - A*	1.5	6.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	8.4
PEKISKO - B*	9.2	13.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	22.2
PEKISKO - C*	26.5	2.0	1.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	30.1
PEKISKO - F*	4.4	--- --- -	.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4.8
TOTALS	231.7	109.3	2.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	343.0
DOE													
WABAMUN - A	942.0	947.8	216.3	12.2	--- --- -	--- --- -	--- --- -	--- --- -	409.1	297.5	966.9	1,118.5	4,930.3
EAGLE													
GETHING - A*	--- --- -	--- --- -	--- --- -	--- --- -	51.4	48.7	62.8	55.9	30.0	18.7	21.7	11.0	300.2
BELLOY-KISKATINAW*	1,695.9	1,431.7	1,737.0	1,928.1	1,985.7	1,623.2	1,911.6	1,889.1	2,071.6	2,254.3	2,308.5	2,418.2	23,254.9
TOTALS	1,695.9	1,431.7	1,737.0	1,928.1	2,037.1	1,671.9	1,974.4	1,945.0	2,101.6	2,273.0	2,330.2	2,429.2	23,555.1
EAGLE WEST													
CECIL - A	325.6	201.2	31.6	22.3	--- --- -	--- --- -	--- --- -	136.3	234.9	--- --- -	281.1	173.5	1,388.7
BELLOY - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	320.2	--- --- -	320.2
BELLOY - A*	4,267.5	3,671.8	4,899.3	4,526.1	4,345.0	4,424.3	3,847.9	4,582.3	5,520.5	4,652.7	4,717.2	5,500.9	55,155.5
BELLOY - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	566.7	1,100.2	1,666.9
TOTALS	4,593.1	3,873.0	4,931.1	4,548.4	4,345.0	4,424.3	3,847.9	4,720.6	5,755.4	4,652.7	5,885.2	6,774.6	58,551.3
ELM													
HALFWAY - A*	864.9	411.2	524.0	536.8	528.0	702.2	510.4	449.5	585.6	269.3	452.2	443.8	6,057.7
HALFWAY - B*	445.4	329.3	433.7	482.1	352.8	461.0	292.9	459.9	272.4	215.5	420.7	483.5	4,649.2
HALFWAY - C	--- --- -	--- --- -	133.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	133.2
TOTALS	1,110.3	740.5	1,090.9	1,018.9	880.8	1,163.2	803.3	909.4	858.0	484.8	872.9	927.1	10,840.1
FIREWEED													
BLUESKY - A	2,050.0	1,307.7	782.8	348.9	383.6	492.8	475.8	1,824.8	135.0	390.1	1,571.2	979.8	10,722.3
BLUESKY - B	534.2	505.3	375.5	747.0	656.0	824.8	681.3	67.4	749.0	655.6	275.8	605.1	6,677.0
BLUESKY - C	536.0	440.5	435.7	467.3	463.7	469.4	477.1	213.0	--- --- -	--- --- -	298.7	439.8	4,243.0

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
DUNLEVY - A	2,979.7	2,116.8	504.0	61.3	--- --- -	55.9	--- --- -	2,697.8	396.7	2,923.3	3,238.8	2,687.0	17,663.3
DUNLEVY - B	1,901.2	2,013.5	2,103.3	316.8	--- --- -	475.1	243.4	2,296.0	1,658.0	481.9	1,987.9	1,990.9	15,470.0
DUNLEVY - D	4,164.2	3,705.2	4,711.0	4,633.0	4,587.9	5,120.8	4,401.0	1,858.5	2,061.5	1,427.5	2,784.0	2,937.6	42,392.2
DUNLEVY - H	1,862.4	1,538.4	1,826.6	353.1	1,022.7	1,470.0	1,347.6	918.4	--- --- -	--- --- -	529.5	1,185.0	12,053.7
BALDONNEL - A	150.3	106.6	11.7	--- --- -	--- --- -	--- --- -	--- --- -	128.3	11.2	148.0	181.1	117.0	834.4
BALDONNEL - B	240.6	227.3	235.3	111.1	--- --- -	246.6	--- --- -	24.2	--- --- -	--- --- -	202.4	119.3	1,407.2
TOTALS	14,420.6	11,983.5	10,985.9	7,040.5	7,113.9	9,155.4	7,626.2	10,028.4	5,011.4	6,028.4	11,049.4	11,061.3	111,463.1
FLATROCK													
SIPHON - A	17.9	376.6	--- --- -	--- --- -	--- --- -	--- --- -	524.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	918.9
SIPHON - B	96.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	53.9	--- --- -	--- --- -	150.6
BOUNDARY LAKE - A*	13.4	--- --- -	11.9	--- --- -	--- --- -	.6	.4	--- --- -	2.2	2.7	.6	--- --- -	31.8
BOUNDARY LAKE - B*	112.1	100.2	113.8	108.4	107.5	112.7	113.8	112.6	108.3	109.4	99.1	109.1	1,305.0
BOUNDARY LAKE - C*	42.5	18.7	20.1	.7	--- --- -	--- --- -	--- --- -	1.7	6.5	18.7	9.0	25.3	143.2
HALFWAY - A	309.3	194.0	318.5	379.6	324.5	327.5	393.9	236.1	357.9	--- --- -	359.6	356.5	3,557.4
HALFWAY - E	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	571.1	529.9	1,101.0
HALFWAY - E*	2,058.2	1,048.1	1,597.5	1,310.0	1,478.3	1,407.3	1,768.3	1,740.8	1,798.4	1,961.0	1,537.6	1,674.7	19,376.2
HALFWAY - G	774.1	564.8	1,155.6	1,429.4	1,090.6	1,420.2	1,622.0	937.0	1,600.2	--- --- -	774.4	1,041.3	12,409.6
HALFWAY - I	905.9	726.0	103.3	143.9	780.5	302.9	--- --- -	494.5	481.2	978.8	744.9	919.1	6,583.0
TOTALS	4,330.1	3,030.4	3,320.7	3,372.0	3,779.4	3,571.2	4,422.8	3,522.7	4,350.7	3,124.5	4,096.3	4,655.9	45,576.7
FLATROCK WEST													
HALFWAY - A	1,570.2	1,156.3	1,385.0	1,266.4	1,259.7	1,180.6	1,148.7	634.0	271.9	--- --- -	462.6	1,158.9	11,476.5
HALFWAY - C	759.4	2,176.3	3,029.2	2,284.5	2,307.7	2,452.3	2,478.3	2,442.6	2,320.7	1,260.0	1,321.0	1,316.4	24,148.6
TOTALS	2,329.6	3,332.6	4,414.2	3,552.9	3,567.4	3,632.9	3,627.0	3,076.6	2,592.6	1,260.0	1,783.6	2,475.3	35,625.1
FORT ST JOHN													
BALDONNEL - A	2,505.9	1,681.0	2,439.4	2,178.5	1,422.3	1,676.6	2,089.0	2,224.7	1,983.1	1,944.3	2,005.0	2,090.3	24,240.1
NORTH PINE - A*	563.3	494.6	568.5	545.4	394.8	419.6	481.1	475.6	1,266.1	510.7	499.7	1,131.9	7,351.3
NORTH PINE - C*	371.5	280.6	276.0	289.2	295.2	149.5	259.5	223.6	204.6	243.0	206.4	296.6	3,100.1
HALFWAY - A	580.9	377.0	536.6	501.2	262.2	407.0	450.1	516.3	469.5	471.9	489.4	495.2	5,557.5
HALFWAY - C	978.3	781.2	43.5	573.0	--- --- -	218.4	--- --- -	896.7	1,414.6	1,472.6	626.6	738.5	7,923.5
BELLOY - A	492.2	383.8	694.1	610.2	358.3	489.4	540.1	570.7	375.2	288.4	336.0	315.7	5,454.1
TOTALS	5,492.1	3,978.2	4,560.3	4,697.5	2,732.8	3,360.5	3,819.8	4,907.8	5,713.1	4,930.9	4,365.1	5,068.5	53,626.8
FORT ST JOHN SOUTHEAST													
BALDONNEL - A	141.3	596.5	111.0	31.9	325.6	44.2	706.9	752.4	743.6	479.3	996.5	919.2	5,852.8
HALFWAY - A	210.5	649.5	108.7	33.6	629.6	74.3	919.8	857.1	750.9	537.2	1,391.3	1,130.9	7,393.6
BELLOY - A	292.7	790.5	114.5	56.6	703.6	165.2	1,377.8	1,557.0	1,099.7	981.4	2,114.4	1,709.1	10,962.7
TOTALS	644.5	2,036.5	334.2	122.1	1,659.4	283.7	3,006.5	3,166.5	2,594.4	2,097.9	4,502.2	3,759.2	24,209.1

NOTE

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SULPHUR POINT - A	6,464.4	5,185.4	5,954.7	3,634.0	4,376.0	2,076.4	219.6	--- --- -	--- --- -	1,067.5	4,210.1	6,561.0	39,959.1
GRIZZLY NORTH													
DUNLEVY - A	5,001.9	4,436.9	4,776.2	1,936.9	1,606.6	299.1	130.1	113.5	132.4	606.4	4,942.5	5,671.4	29,657.9
BALDONNEL - A	4,164.8	3,411.6	3,476.6	427.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4,868.2	4,538.8	20,887.1
HALFWAY - A	5,064.3	4,339.2	4,828.5	585.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,296.6	3,941.1	22,054.2
TOTALS	14,231.0	12,187.7	13,081.3	2,951.5	1,606.6	299.1	130.1	113.5	132.4	606.4	13,106.3	14,151.3	72,599.2
GRIZZLY SOUTH													
DUNLEVY - A	3,567.4	3,103.2	3,099.1	991.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4,319.6	4,503.5	19,584.5
GUNDY CREEK													
DUNLEVY - A	73.4	52.9	5.7	16.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	55.7	55.3	180.9	440.3
BALDONNEL - B	711.8	562.8	63.8	97.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	419.9	628.9	528.7	3,011.5
TOTALS	785.2	615.7	69.5	114.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	475.6	684.2	707.6	3,451.8
GUNDY CREEK WEST													
DUNLEVY - A	1,725.5	736.8	114.8	249.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,278.4	1,289.6	1,387.9	6,782.5
HELMET													
SLAVE POINT - A	33,061.1	19,581.8	14,152.1	13,490.1	22,332.1	7,229.4	2,129.4	1,915.5	27,542.9	26,544.8	31,869.3	31,817.2	231,665.7
SLAVE POINT - B	1,863.0	1,611.5	1,873.7	1,426.6	221.6	--- --- -	1,178.7	30.8	652.3	1,290.4	1,321.1	1,628.2	13,097.9
SLAVE POINT - C	--- --- -	278.9	180.7	24.6	154.7	105.1	--- --- -	--- --- -	484.2	78.4	--- --- -	290.6	1,597.2
TOTALS	34,924.1	21,472.2	16,206.5	14,941.3	22,708.4	7,334.5	3,308.1	1,946.3	28,679.4	27,913.6	33,190.4	33,736.0	246,360.8
HELMET NORTH													
JEAN MARIE - A	8,408.6	6,972.1	3,466.3	5,948.6	4,051.2	689.7	2,144.8	1,242.7	1,180.3	--- --- -	1,976.6	4,694.3	40,773.2
HIGHWAY													
BLUESKY - A	171.0	72.8	.5	180.6	22.2	--- --- -	--- --- -	--- --- -	143.2	132.4	171.1	80.1	953.9
DUNLEVY - B	239.3	107.5	55.8	127.7	65.5	--- --- -	58.7	83.7	--- --- -	32.1	102.3	--- --- -	872.6
HALFWAY - A	1,236.7	799.3	301.8	999.6	673.5	--- --- -	520.4	466.4	--- --- -	618.3	760.2	121.8	6,496.0
HALFWAY - B	915.1	642.6	2.1	903.7	488.7	--- --- -	454.8	177.5	897.7	795.6	615.0	642.0	6,534.8
TOTALS	2,562.1	1,622.2	360.2	2,191.8	1,249.9	--- --- -	1,033.9	727.8	1,040.9	1,578.4	1,648.6	843.9	14,857.3
HOFFARD													
SLAVE POINT - A	707.9	544.6	602.0	606.9	106.4	--- --- -	--- --- -	--- --- -	391.2	734.9	530.9	568.6	4,793.4
INGA													
GETHING - A	66.1	48.1	61.6	59.2	56.6	67.9	65.6	63.0	37.0	29.1	43.5	59.4	655.3
DUNLEVY - A	1,934.3	1,292.0	2,303.0	42.2	--- --- -	--- --- -	--- --- -	1,221.3	--- --- -	--- --- -	1,667.4	1,572.1	10,032.3
INGA - A	9,768.0	7,560.6	--- --- -	--- --- -	--- --- -	459.7	--- --- -	13,701.0	8,218.7	9,079.6	7,904.0	7,015.5	63,707.1
INGA - A*	2,171.0	1,820.3	1,946.5	1,778.3	1,313.3	1,635.7	1,798.5	1,785.9	1,562.3	1,979.2	1,855.1	1,720.9	21,367.0

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
INGA - B*	59.5	44.7	52.4	40.2	11.0	32.8	43.8	32.1	37.6	28.4	24.3	--- --- -	406.8
TOTALS	13,998.9	10,763.7	4,383.5	1,919.9	1,381.1	2,196.1	1,907.9	16,803.3	9,855.6	11,116.3	11,494.3	10,367.9	96,188.5
INGA NORTH													
INGA - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	192.4	--- --- -	--- --- -	192.4
JEDNEY													
BALDONNEL - A	7,793.1	8,106.6	1,520.1	1,571.0	--- --- -	212.1	--- --- -	5,406.2	--- --- -	9,158.3	11,727.3	13,387.3	58,884.0
HALFWAY - A	4,450.2	4,458.0	700.4	544.7	--- --- -	99.2	--- --- -	3,157.4	--- --- -	5,835.6	9,065.2	11,418.8	39,749.5
TOTALS	12,243.3	12,566.6	2,220.5	2,115.7	--- --- -	311.3	--- --- -	8,563.6	--- --- -	14,993.9	20,812.5	24,806.1	98,633.5
JULIENNE CREEK													
BALDONNEL - A	435.9	205.6	372.4	--- --- -	481.5	364.1	292.5	433.4	259.6	--- --- -	289.6	294.0	3,428.6
HALFWAY - A	572.1	408.7	724.3	933.6	414.6	469.0	378.3	525.7	317.0	--- --- -	433.6	352.4	5,529.7
TOTALS	1,008.0	614.3	1,096.7	933.6	896.1	833.1	670.8	959.1	576.6	--- --- -	723.4	646.4	8,958.5
JULIENNE CREEK NORTH													
HALFWAY - A	324.2	247.5	171.4	--- --- -	--- --- -	--- --- -	--- --- -	283.3	--- --- -	--- --- -	316.7	313.6	1,656.7
JULIENNE CREEK SOUTH													
DEBOLT - A	319.5	186.0	82.6	--- --- -	--- --- -	--- --- -	--- --- -	241.9	--- --- -	--- --- -	400.4	285.1	1,515.7
JUNIOR													
SLAVE POINT - A	4,184.9	3,716.2	3,084.7	2,063.6	494.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,094.3	3,142.1	18,790.6
SLAVE POINT - D	--- --- -	137.5	1,005.7	84.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	52.1	--- --- -	1,279.5
TOTALS	4,184.9	3,853.7	4,100.4	2,147.8	494.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,146.4	3,142.1	20,070.1
KELLY													
PADDY - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	123.3	337.3	349.0	809.6
FALHER A - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4,698.7	6,938.9	7,234.4	8,187.8	27,055.8
FALHER A - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,220.0	4,195.5	3,812.9	4,725.5	15,953.9
FALHER B - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	5,168.6	7,709.6	4,466.6	5,666.5	23,010.3
GETHING - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,281.5	595.9	299.6	375.5	2,552.5
GETHING - C	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	545.4	868.4	523.0	606.4	2,543.2
TOTALS	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	14,912.2	20,429.8	16,873.8	19,909.7	71,925.3
KLUA													
DEBOLT - A	27.5	24.8	23.8	2.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	16.1	28.2	28.8	151.7
SLAVE POINT - B	5,312.8	4,606.6	5,353.9	3,013.3	2,514.4	1,667.8	2,278.1	1,098.9	1,636.3	707.8	3,702.7	4,909.6	36,804.2
SLAVE POINT - D	5,914.2	4,436.1	5,897.8	2,378.1	2,381.8	2,044.7	1,629.5	111.4	3,728.1	4,177.5	4,911.3	5,299.7	42,912.0
SLAVE POINT - E	442.0	416.8	448.7	309.7	--- --- -	--- --- -	--- --- -	--- --- -	335.2	102.1	339.7	476.7	2,870.9
PINE POINT - A	--- --- -	385.1	4,617.1	465.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,431.8	4,379.5	4,277.7	17,556.5

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
PINE POINT - B	4,842.6	4,307.0	256.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	316.0	3,134.4	12,856.2
TOTALS	16,539.1	14,180.4	16,597.3	6,189.1	4,898.2	3,712.5	3,907.6	1,210.3	5,699.6	8,435.3	13,677.4	18,126.7	113,151.5
KOBES													
DUNLEVY - A	635.5	414.2	332.1	2.0	--- --- -	--- --- -	--- --- -	278.3	5.5	118.7	413.9	567.2	2,767.4
CHARLIE LAKE - A	569.9	297.1	279.3	--- --- -	--- --- -	--- --- -	--- --- -	467.1	35.2	613.1	496.0	363.5	3,121.2
CHARLIE LAKE - B	574.5	298.9	383.9	373.5	--- --- -	--- --- -	--- --- -	838.8	--- --- -	731.0	510.6	270.1	3,979.3
CHARLIE LAKE - D	118.0	99.0	66.1	17.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	300.1
CHARLIE LAKE - E	661.5	810.4	1,222.7	229.5	--- --- -	--- --- -	--- --- -	603.2	--- --- -	--- --- -	393.3	1,103.2	5,023.8
HALFWAY - A	6,710.6	6,243.7	3,925.2	2,794.5	2,755.8	362.5	190.2	6,066.6	99.3	4,234.4	7,390.9	7,367.5	48,160.1
DEBOLT - A	793.2	219.4	423.7	21.9	--- --- -	--- --- -	--- --- -	330.9	--- --- -	354.1	697.6	698.5	3,537.3
TOTALS	10,063.1	8,362.7	6,633.0	3,438.4	2,755.8	362.5	190.2	8,601.9	140.0	6,051.3	9,902.3	10,368.0	66,889.2
KOBES WEST													
INGA - A	887.8	732.2	432.2	--- --- -	--- --- -	--- --- -	--- --- -	959.7	--- --- -	--- --- -	1,079.8	800.8	4,892.3
KOTCHO LAKE													
SLAVE POINT - C	--- --- -	--- --- -	--- --- -	50.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	50.1
KOTCHO LAKE EAST													
BLUESKY - B	27.3	28.5	22.9	--- --- -	7.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	86.0
SLAVE POINT - B	2,041.2	149.4	694.2	--- --- -	296.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,180.1
SLAVE POINT - C	1,814.1	1,348.2	2,571.6	--- --- -	3,806.6	1,518.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	11,059.2
TOTALS	3,882.6	1,526.1	3,288.7	--- --- -	4,109.2	1,518.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	14,325.3
LAGARDE													
DUNLEVY - B*	138.4	118.6	--- --- -	53.6	45.4	80.6	74.2	93.0	96.6	118.4	122.6	125.3	1,064.7
LAPRISE CREEK													
GETHING - A	186.9	136.3	18.9	--- --- -	--- --- -	42.1	--- --- -	--- --- -	--- --- -	7.8	143.9	151.0	684.9
BALDONNEL - A	29,380.2	26,907.9	6,514.7	7,699.2	10,646.1	13,539.1	13,981.2	32,440.1	13,987.0	22,025.7	36,961.6	30,998.7	245,081.5
BALDONNEL - B	4,829.2	15,301.4	1,706.9	16,517.7	10,502.0	6,448.0	1,436.3	6,621.9	8,213.7	10,734.3	16,783.6	16,455.2	115,550.2
NANCY - A	196.4	175.3	73.9	33.7	--- --- -	--- --- -	--- --- -	34.8	42.0	--- --- -	--- --- -	--- --- -	556.1
TOTALS	34,571.7	42,519.9	8,314.4	24,250.6	21,148.1	20,029.2	15,397.5	39,096.8	22,222.7	32,767.8	53,909.1	47,604.9	361,832.7
LAPRISE CREEK WEST													
BALDONNEL - A	225.8	136.3	58.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	258.3	126.4	805.1
LOUISE													
SLAVE POINT - A	2,407.7	1,903.9	1,793.6	1,677.6	1,878.2	667.8	--- --- -	--- --- -	726.6	452.0	1,268.9	2,213.1	15,011.4
MEL													
SLAVE POINT - A	9,389.0	9,519.3	7,834.4	773.6	--- --- -	--- --- -	--- --- -	--- --- -	3,208.2	6,695.4	10,727.3	12,380.6	60,528.0

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
MICA													
MICA - A*	211.4	199.8	213.2	137.8	116.8	176.8	211.4	204.8	195.1	209.5	184.4	218.3	2,279.3
NORTH PINE - A*	31.9	48.1	60.2	57.8	55.2	63.6	62.1	61.4	56.6	55.9	46.6	58.3	657.5
TOTALS	243.3	247.9	273.4	195.4	172.0	240.4	273.5	266.2	251.7	265.4	231.0	276.6	2,936.8
MIKE													
GETHING - A*	242.6	306.0	243.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	305.0	1,096.6
MILLIGAN CREEK													
GETHING - A	54.6	42.0	50.7	30.6	52.5	52.3	47.9	48.7	49.3	48.7	42.6	47.7	565.6
GETHING - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	188.3	188.3
GETHING - B*	--- --- -	117.6	120.9	91.8	117.6	124.0	131.1	124.0	117.0	127.1	129.0	114.5	1,314.6
GETHING - C	113.9	94.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	208.7
HALFWAY - A*	2,404.1	2,239.4	2,511.5	1,527.5	2,058.4	2,731.2	1,705.4	1,780.4	1,693.0	1,777.7	1,653.6	1,753.0	23,835.2
TOTALS	2,572.6	2,493.8	2,683.1	1,649.9	2,228.5	2,907.5	1,884.4	1,953.1	1,859.3	1,951.5	1,825.2	2,103.5	26,112.6
MONIAS													
HALFWAY - A	36,784.8	31,135.6	34,705.5	35,545.8	37,589.8	35,256.7	37,852.2	28,936.6	20,532.1	16,881.7	34,071.2	32,586.4	381,460.5
HALFWAY - B	1,128.8	1,058.0	1,168.4	573.5	--- --- -	--- --- -	--- --- -	663.9	--- --- -	--- --- -	2,501.5	2,208.0	9,301.9
TOTALS	37,913.5	32,193.6	35,873.9	36,119.3	37,589.8	35,256.7	37,852.2	29,600.5	20,532.1	16,881.7	36,572.7	34,796.4	390,762.4
MONTNEY													
CECIL - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	830.2	830.2
HALFWAY - B	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	157.7	1,333.8	1,491.5
TOTALS	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	157.7	2,164.0	2,321.7
NETTLE													
GETHING - A*	883.9	742.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	196.9	769.3	2,592.4
SIPHON - A	--- --- -	--- --- -	--- --- -	30.1	--- --- -	--- --- -	--- --- -	579.6	--- --- -	--- --- -	966.7	119.0	1,715.4
HALFWAY - A	943.2	711.5	66.1	326.8	--- --- -	--- --- -	--- --- -	686.6	--- --- -	--- --- -	1,125.6	1,219.9	5,081.7
TOTALS	1,827.1	1,453.8	66.1	356.9	--- --- -	--- --- -	--- --- -	1,266.2	--- --- -	--- --- -	2,309.2	2,108.2	9,389.5
NIG CREEK													
BALDONNEL - A	13,250.2	14,564.0	951.5	334.4	154.7	2,034.0	449.9	15,863.4	3,048.6	3,954.2	14,841.1	14,020.0	83,454.0
BALDONNEL - A*	31.1	25.5	23.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	80.2
TOTALS	13,281.3	14,579.5	975.1	334.4	154.7	2,034.0	449.9	15,863.4	3,048.6	3,954.2	14,841.1	14,020.0	83,534.2
NOEL													
CADOTTE - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	531.3	179.3	75.3	--- --- -	--- --- -	--- --- -	785.9
CONFIDENTIAL	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	191.3	--- --- -	1,031.0	--- --- -	--- --- -	1,222.3

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
TOTALS	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	531.3	370.6	76.3	1,031.0	--- --- -	--- --- -	2,008.2
NORTH PINE													
NORTH PINE - B	65.4	--- --- -	44.4	27.4	--- --- -	--- --- -	--- --- -	510.0	66.8	288.5	1,019.3	277.9	2,300.7
NORTH PINE - B*	579.4	437.5	599.1	1,036.1	1,061.6	336.7	777.3	451.8	507.0	489.6	706.0	866.6	7,867.9
TOTALS	644.8	437.5	643.5	1,063.5	1,061.6	336.7	777.3	961.8	573.8	778.1	1,725.3	1,143.7	10,168.6
OAK													
CECIL - B*	5.8	3.1	6.1	5.4	5.6	5.2	5.4	5.5	5.2	5.5	4.5	5.9	63.4
HALFWAY - A	7,912.1	5,853.5	6,315.5	7,511.5	7,491.0	3,139.6	8,144.4	7,992.2	3,810.6	--- --- -	4,900.2	3,104.0	66,174.6
HALFWAY - B*	402.1	416.3	460.3	421.1	450.6	509.5	474.5	465.7	445.4	527.2	462.2	487.1	5,542.2
TOTALS	8,320.0	6,272.9	6,781.9	7,938.0	7,947.6	3,654.3	8,624.3	8,463.4	4,261.2	532.7	5,366.9	3,597.0	73,780.2
OSPREY													
BLUESKY - A	1,111.4	1,019.6	124.6	98.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,201.6	1,615.2	1,601.7	6,972.4
GETHING - A	118.5	58.7	10.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	117.3	74.5	59.1	438.1
HALFWAY - A	1,139.0	1,181.1	460.9	635.2	573.1	720.7	1,055.7	1,360.2	1,044.0	1,209.6	1,036.7	225.4	10,641.6
HALFWAY - A*	318.7	230.6	248.6	301.4	250.6	160.5	217.3	178.6	328.2	409.4	306.1	239.6	3,192.4
HALFWAY - D*	218.1	250.6	180.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	27.5	186.1	864.5
TOTALS	2,905.7	2,741.0	1,024.3	1,034.7	823.9	881.2	1,273.0	1,538.8	1,372.2	2,938.1	3,062.0	2,514.1	22,109.0
PARKLAND													
WABAMUN - A	1,630.6	2,258.6	--- --- -	2,714.6	1,073.6	--- --- -	--- --- -	3,919.9	4,879.2	7,263.6	6,585.7	4,707.6	35,033.6
PEEJAY													
GETHING - A	586.6	533.6	551.7	516.7	512.6	443.6	549.6	564.7	528.3	527.3	510.5	540.2	6,366.0
BALDONNEL - A	573.5	490.5	486.2	514.6	465.4	412.4	541.5	576.4	525.5	550.2	482.5	561.6	6,192.5
HALFWAY - K	102.9	93.0	90.4	94.6	69.7	57.2	97.3	100.2	85.5	103.3	84.1	88.4	1,066.6
HALFWAY - L*	77.6	236.6	284.3	219.9	225.4	216.2	216.3	185.4	135.2	228.0	94.7	182.4	2,284.4
HALFWAY - M	853.6	530.9	78.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	761.6	631.0	2,855.1
HALFWAY	633.7	545.7	552.7	525.2	473.7	407.5	576.3	577.0	519.1	560.6	520.6	554.4	6,446.5
HALFWAY*	864.9	886.5	1,207.9	1,226.0	1,114.4	1,055.6	1,203.1	1,277.6	1,017.6	1,206.2	956.4	893.4	12,951.6
TOTALS	3,723.0	3,321.2	3,263.3	3,099.2	2,861.4	2,602.5	3,184.3	3,281.3	2,811.4	3,175.6	3,410.3	3,431.4	38,164.9
PEEJAY WEST													
HALFWAY - A*	1,793.8	1,335.5	1,666.4	1,632.6	1,656.7	1,511.0	1,959.7	1,810.6	1,840.1	1,720.0	1,663.1	1,799.5	20,368.0
PICKELL													
HALFWAY - A	1,542.9	1,134.5	966.4	111.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	716.5	1,182.6	5,676.2
RIGEL													
BLUESKY - A	10.8	--- --- -	222.4	17.9	4.6	26.6	--- --- -	227.9	67.3	134.3	90.8	99.2	901.8

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
DUNLEVY - A*	595.6	493.0	581.3	510.0	425.4	547.1	522.9	598.0	497.3	488.3	457.1	536.8	6,232.8
DUNLEVY - B*	413.4	258.1	379.6	295.2	277.7	315.9	285.1	287.2	179.3	245.1	187.5	70.7	3,194.6
DUNLEVY - E*	--- --- -	--- --- -	264.5	--- --- -	--- --- -	--- --- -	--- --- -	174.1	330.1	66.6	--- --- -	--- --- -	837.3
DUNLEVY - F	28,189.8	20,010.2	18,719.0	3,756.5	3,863.2	8,146.5	1,900.0	21,486.5	5,344.8	10,649.0	28,682.4	30,247.7	178,974.2
TOTALS	29,189.4	20,761.3	20,146.8	4,579.8	4,570.9	9,036.1	2,708.0	22,772.7	6,418.8	11,585.3	27,417.8	30,854.4	190,140.9
RIGEL EAST													
GETHING - A	3,990.9	2,842.4	202.5	254.7	274.8	232.5	190.0	1,918.7	415.8	202.7	2,282.0	1,686.4	14,593.0
ROGER													
PINE POINT - A	16,157.4	12,823.1	15,191.5	7,386.8	6,845.1	5,418.4	12,599.3	3,957.0	12,185.3	3,931.4	10,834.8	13,651.8	120,781.7
SAHTANEH													
PINE POINT - A	--- --- -	--- --- -	1,870.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,870.6
PINE POINT - B	3,611.0	6,394.4	1,009.3	287.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,820.0	6,844.4	21,766.6
TOTALS	3,611.0	6,394.4	2,879.9	287.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	3,820.0	6,844.4	23,637.2
SEXTET													
SLAVE POINT - A	802.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	802.5
SIERRA													
SLAVE POINT - A	4,832.9	4,701.2	4,813.2	458.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,325.3	3,928.0	21,058.2
PINE POINT - A	103,568.1	88,802.5	37,925.8	77,405.5	54,938.7	34,961.4	32,160.0	3,998.3	71,295.7	79,898.2	84,567.2	104,321.6	753,841.0
PINE POINT - B	31,892.0	45,027.8	19,693.2	41,763.5	26,885.3	26,957.1	19,325.9	2,709.1	42,054.0	46,105.1	42,390.3	55,072.2	399,875.5
PINE POINT - C	10,743.2	14,678.4	8,775.0	11,235.3	7,050.1	4,031.7	3,689.5	--- --- -	9,870.5	16,110.1	16,390.9	19,781.3	122,356.0
PINE POINT - D	20,697.8	22,556.1	20,478.3	20,979.0	21,020.0	2,488.8	11,384.0	1,894.8	17,906.8	18,097.6	18,972.1	22,398.8	196,873.7
TOTALS	171,734.0	155,766.0	91,685.5	151,841.9	109,892.1	68,439.0	66,559.4	8,602.2	141,126.8	158,211.0	164,645.8	205,501.7	1,494,005.4
SIKANNI													
KISKATINAW - A	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,008.8	210.3	1,218.9
DEBOLT - A	--- --- -	--- --- -	547.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	547.8
DEBOLT - C	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,090.7	1,448.2	3,536.9
DEBOLT - D	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4,055.4	10,929.7	14,985.1
TOTALS	--- --- -	--- --- -	547.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	7,154.7	12,588.2	20,290.7
SILVER													
BLUESKY - A	15,378.8	12,107.7	6,420.3	391.1	--- --- -	685.9	--- --- -	12,098.0	298.1	--- --- -	13,272.7	12,991.5	73,645.1
BLUESKY - B	671.0	207.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	789.5	7.7	--- --- -	922.7	363.2	2,961.4
TOTALS	16,050.8	12,315.0	6,420.3	391.1	--- --- -	685.9	--- --- -	12,887.5	305.8	--- --- -	14,195.4	13,354.7	76,606.5
SILVERBERRY													
NORTH PINE - A	898.1	666.6	--- --- -	551.5	796.1	712.9	728.2	701.7	606.4	497.6	625.6	636.6	7,421.3

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SIPHON													
DUNLEVY - A	4,143.8	3,190.8	--- --- -	--- --- -	221.0	--- --- -	--- --- -	2,636.7	980.8	1,176.0	3,839.4	3,630.0	19,918.5
DUNLEVY - C*	4.5	4.3	1.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	10.6
BALDONNEL - A	77.7	35.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	113.2
SIPHON - A	808.2	556.6	--- --- -	--- --- -	26.9	--- --- -	--- --- -	506.9	154.9	174.9	210.0	422.9	2,859.3
HALFWAY - A	1,186.7	1,073.6	--- --- -	--- --- -	75.9	--- --- -	--- --- -	1,139.3	286.3	344.2	665.7	657.2	5,428.9
TOTALS	6,218.9	4,860.8	1.8	--- --- -	323.8	--- --- -	--- --- -	4,282.9	1,422.0	1,695.1	4,815.1	4,710.1	28,330.5
SIPHON EAST													
BLUESKY - A	4,285.7	3,157.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,826.1	--- --- -	--- --- -	3,790.4	2,406.0	16,465.4
BALDONNEL - A	15.6	12.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	10.7	--- --- -	--- --- -	16.5	7.9	63.0
TOTALS	4,301.3	3,169.5	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,836.8	--- --- -	--- --- -	3,806.9	2,413.9	16,528.4
SQUIRREL													
NORTH PINE - A*	83.9	102.9	112.3	88.3	92.3	85.4	100.0	101.0	94.1	108.7	126.1	132.8	1,238.8
STODDART													
CECIL - A*	22.4	20.0	18.9	18.5	17.8	17.5	16.0	15.9	15.6	4.1	--- --- -	--- --- -	166.7
CECIL - B*	53.6	44.7	47.6	41.2	45.1	47.7	49.0	48.9	45.7	35.7	42.4	--- --- -	501.6
CECIL - C*	382.7	279.6	8.3	--- --- -	--- --- -	51.6	363.7	319.8	314.9	359.5	349.6	--- --- -	2,429.7
NORTH PINE - A	349.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	93.0	387.2	49.3	10.9	800.3	568.2	2,058.2
BELLOY - A	23,645.9	17,181.0	12,876.5	11,904.5	19,439.3	12,568.9	11,551.9	18,647.5	11,752.6	8,828.4	21,145.7	24,025.2	193,567.5
BELLOY - C*	67.3	94.2	305.6	49.5	17.0	271.0	336.2	419.2	467.6	299.8	240.7	267.9	2,836.0
TOTALS	24,521.2	17,619.5	13,257.2	12,013.7	19,519.2	12,956.7	12,408.8	19,838.5	12,645.7	9,538.4	22,378.7	24,861.3	201,558.9
STODDART SOUTH													
BELLOY - A*	57.6	63.7	28.7	2.6	2.6	2.5	2.5	2.6	2.6	2.5	2.0	2.3	172.2
BELLOY - B	501.3	485.9	593.7	365.9	450.5	471.9	436.7	430.5	466.9	469.0	395.4	426.1	5,492.8
TOTALS	558.9	549.6	622.4	368.5	453.1	474.4	439.2	433.1	468.5	471.5	397.4	428.4	5,665.0
STODDART WEST													
BEAR FLAT - A*	92.6	32.6	25.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	151.3
DOIG - B*	16.9	14.8	27.8	21.4	--- --- -	2.0	20.6	23.5	16.0	19.6	25.0	22.2	211.8
BELLOY - A	4,644.2	3,678.2	3,436.2	3,805.8	3,771.0	3,736.9	3,391.2	4,273.9	3,487.1	2,258.6	3,703.2	4,553.8	44,742.1
BELLOY - C*	1,760.0	1,785.7	1,569.1	1,515.5	1,449.6	1,307.3	1,535.9	1,762.3	1,633.2	1,607.2	1,528.4	1,651.8	19,126.2
BELLOY - D	71.2	19.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	91.0
BELLOY - E	--- --- -	--- --- -	--- --- -	--- --- -	1,765.7	2,114.1	1,847.0	1,932.4	1,813.1	1,044.2	1,627.1	1,822.2	13,965.8
TOTALS	6,605.1	5,531.1	5,061.0	5,342.7	6,986.5	7,160.3	6,794.7	7,992.1	6,951.4	4,929.6	6,883.7	8,050.0	78,288.2
SUKUNKA													
BALDONNEL - A	20,857.4	11,383.4	10,868.3	14,028.4	14,392.6	--- --- -	--- --- -	--- --- -	8,476.2	9,484.3	20,881.0	19,084.1	129,435.7

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
BALDONNEL - B	5,508.0	3,816.2	357.8	2,879.0	3,728.0	--- --- -	--- --- -	--- --- -	2,976.0	5,567.6	5,066.6	5,103.6	34,802.8
BALDONNEL - C	6,463.7	4,515.5	1,779.0	6,520.2	4,955.2	--- --- -	--- --- -	--- --- -	3,350.0	6,364.5	6,139.4	6,472.1	46,559.6
TOTALS	32,829.1	19,715.1	13,025.1	23,227.6	23,075.6	--- --- -	--- --- -	--- --- -	14,802.2	21,396.4	32,087.0	30,659.6	210,798.1
TOWN													
BALDONNEL - A	325.3	278.9	157.3	--- --- -	--- --- -	--- --- -	--- --- -	379.4	--- --- -	--- --- -	386.9	359.4	1,887.2
HALFWAY - A	2,089.6	1,566.2	1,101.3	--- --- -	--- --- -	--- --- -	--- --- -	1,929.6	--- --- -	--- --- -	1,809.7	1,776.8	10,273.2
TOTALS	2,414.9	1,845.1	1,258.6	--- --- -	--- --- -	--- --- -	--- --- -	2,309.0	--- --- -	--- --- -	2,196.6	2,136.2	12,160.4
TOWNSEND													
HALFWAY - A	1,288.8	1,004.8	564.8	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	881.5	3,699.9
TSEA													
SLAVE POINT - B	2,399.1	2,012.7	2,905.0	1,604.7	811.7	477.0	--- --- -	--- --- -	981.9	1,748.9	2,273.4	2,034.3	17,228.7
SLAVE POINT - C	--- --- -	--- --- -	--- --- -	1,730.8	2,410.2	4,988.4	5,772.7	637.8	5,469.5	2,843.5	2,843.5	3,031.0	29,747.4
TOTALS	2,399.1	2,012.7	2,905.0	3,335.5	3,221.9	5,465.4	5,772.7	637.8	6,451.4	4,592.4	5,116.9	5,065.3	46,976.1
TWO RIVERS													
BALDONNEL - A	465.2	395.4	387.4	412.0	406.0	298.5	414.4	419.8	300.1	88.3	441.1	430.0	4,456.0
HALFWAY - A	2,166.4	1,787.4	2,065.4	2,141.6	2,012.4	1,284.3	1,871.0	1,880.7	1,240.9	217.0	1,943.8	2,063.5	20,674.4
HALFWAY - B*	55.4	49.7	55.2	54.0	54.9	33.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	303.1
TOTALS	2,687.0	2,232.5	2,508.0	2,607.6	2,473.3	1,616.7	2,285.4	2,280.3	1,541.0	305.3	2,384.9	2,513.5	25,435.5
VELMA													
GETHING - A	11,707.6	10,478.8	10,922.7	2,910.2	--- --- -	--- --- -	--- --- -	5,240.5	--- --- -	--- --- -	6,518.5	6,092.2	55,868.5
'A' MARKER - A	2,136.0	1,756.3	1,932.4	133.9	--- --- -	--- --- -	--- --- -	1,667.1	--- --- -	--- --- -	1,894.3	1,611.1	11,131.1
TOTALS	13,843.6	12,233.1	12,855.1	3,044.1	--- --- -	--- --- -	--- --- -	6,907.6	--- --- -	--- --- -	8,412.8	9,703.3	66,999.6
WARGEN													
GETHING - A*	463.4	313.1	66.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	842.6
WEASEL													
BALDONNEL - A	22.2	11.7	16.7	21.6	18.5	16.6	20.2	24.6	46.4	41.1	42.4	34.1	316.3
HALFWAY - B*	33.0	31.2	11.6	27.6	18.3	46.3	46.6	35.9	36.5	34.7	32.4	36.0	392.3
HALFWAY - F*	1,250.7	1,486.6	1,661.9	1,450.6	1,554.4	1,201.1	1,453.6	1,317.1	579.7	1,755.9	1,300.2	1,357.2	16,358.4
HALFWAY - I*	415.4	110.5	236.9	151.1	294.6	208.5	244.6	258.3	230.5	248.0	237.1	238.0	2,871.9
HALFWAY	2,251.7	822.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,922.6	3,599.9	8,596.6
HALFWAY*	434.1	452.7	508.3	459.7	421.0	423.6	488.4	505.3	512.0	486.6	517.3	527.1	5,734.1
TOTALS	4,407.1	2,914.1	2,425.6	2,110.6	2,307.0	1,894.1	2,251.6	2,141.4	1,405.1	2,566.3	4,052.2	5,794.3	34,269.6
WEASEL WEST													

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1986 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
HALFWAY - A*	25.2	26.2	29.4	27.9	26.9	25.5	26.0	24.6	23.5	19.7	24.6	26.6	306.5
HALFWAY - B*	2.4	6.1	5.7	3.1	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	17.3
HALFWAY - C	247.3	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	247.3
TOTALS	274.9	32.3	35.1	31.0	26.9	25.5	26.0	24.6	23.5	19.7	24.6	26.6	571.1
WILDER													
HALFWAY - A	9,365.2	8,140.1	8,300.1	7,119.5	8,968.4	7,060.9	6,875.9	7,732.3	6,557.6	3,421.3	4,615.5	4,716.4	80,913.4
WILDMINT													
BLUESKY - A	199.0	169.6	169.3	169.2	170.3	161.9	141.1	159.6	143.5	165.9	161.0	166.1	1,976.9
UPPER HALFWAY - A*	633.9	632.6	1,085.6	1,015.1	809.7	329.9	295.0	656.9	526.6	464.6	550.6	498.6	7,499.7
HALFWAY - A*	2,502.6	2,157.7	2,451.0	2,377.4	2,591.5	2,591.1	2,551.4	2,605.4	2,528.3	2,699.1	2,538.3	2,489.5	30,063.5
TOTALS	3,335.7	2,960.3	3,705.9	3,561.7	3,571.5	3,082.9	2,987.5	3,422.1	3,198.6	3,329.6	3,250.1	3,154.2	39,560.1
WILLOW													
GETHING - A*	132.6	121.7	150.1	136.4	109.0	107.7	116.2	112.2	132.2	168.1	158.5	159.6	1,804.3
HALFWAY - A	1,471.3	1,228.3	--- --- -	149.6	--- --- -	--- --- -	--- --- -	1,287.4	--- --- -	580.2	1,142.0	1,393.6	7,232.6
HALFWAY - B	1,114.5	747.7	260.2	--- --- -	--- --- -	--- --- -	--- --- -	131.2	466.3	--- --- -	929.0	912.4	5,960.3
TOTALS	2,718.4	2,097.7	410.3	286.2	109.0	107.7	116.2	2,910.8	597.5	748.3	2,229.5	2,465.6	14,797.2
WOLF													
HALFWAY - A*	231.1	196.3	172.2	104.4	126.0	182.0	214.6	115.5	150.7	161.3	173.2	190.5	2,018.0
WOLVERINE													
DUNLEVY - A	--- --- -	--- --- -	--- --- -	--- --- -	41.6	--- --- -	114.1	136.9	294.9	16.0	--- --- -	--- --- -	603.7
WOODRUSH													
HALFWAY - A	1,229.4	1,419.6	--- --- -	1,275.3	706.4	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	894.6	1,732.3	7,258.0
YOYO													
PINE POINT - A	132,065.5	116,932.1	149,520.7	136,630.9	99,227.5	92,390.7	114,859.0	6,305.3	114,935.5	137,701.2	152,817.7	207,158.4	1,461,144.5
PINE POINT - B	1,141.3	6,537.5	6,257.2	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	4,986.1	6,656.7	25,578.8
TOTALS	133,806.8	123,469.6	155,777.9	136,630.9	99,227.5	92,390.7	114,859.0	6,305.3	114,935.5	137,701.2	157,803.8	213,815.1	1,486,723.3
OTHER AREA													
DUNVEGAN	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	27.1	--- --- -	--- --- -	--- --- -	149.9	--- --- -	177.0
CADOTTE	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	171.9	--- --- -	1,678.8	1,107.8	--- --- -	548.9	400.9	3,906.3
FALHER	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	805.5	303.5	909.0
BLUESKY	--- --- -	75.6	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	75.6
GETHING	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,523.6	1,147.1	2,670.7
CADOMIN	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	138.6	--- --- -	171.1	309.7
DUNLEVY	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	42.2	81.2	198.3	--- --- -	134.7	456.4
BALDONNEL	--- --- -	9,027.6	14,978.0	14,152.7	11,532.9	--- --- -	--- --- -	--- --- -	8,737.8	--- --- -	--- --- -	1,968.9	58,418.1

* => ASSOCIATED GAS

Table P10 - Monthly Non-associated and Associated Gas Production by Fields and Pools - 1988 - CONTINUED
(Volumes in thousand cubic meters at 101.325 kPa and 15 degrees Celsius)

FIELD/POOL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
INGA*	6.4	6.0	4.3	5.1	--- --- -	3.4	4.6	3.4	5.4	7.5	9.1	10.3	65.5
NORTH PINE	210.7	320.2	--- --- -	431.3	181.9	--- --- -	--- --- -	53.0	--- --- -	--- --- -	655.0	--- --- -	1,852.1
HALFWAY	--- --- -	--- --- -	--- --- -	659.4	4,138.5	4,170.5	3,801.1	4,276.8	4,105.6	--- --- -	613.0	1,511.0	23,276.1
BELLOY*	--- --- -	--- --- -	104.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	104.7
KISKATINAW	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,013.9	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	2,013.9
SLAVE POINT	2,807.2	2,437.3	2,081.8	792.7	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	870.1	832.8	9,801.9
PINE POINT	--- --- -	--- --- -	--- --- -	1,125.2	848.8	185.0	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,958.8
CONFIDENTIAL	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	--- --- -	1,001.8	--- --- -	--- --- -	1,001.8
TOTALS	3,024.3	11,866.9	17,148.8	17,166.4	16,501.9	4,530.8	5,846.7	8,054.2	12,038.0	1,348.0	4,775.1	8,500.3	106,799.4
TOTALS													
Non-Associated	1,000,692.9	865,778.9	658,051.9	587,268.8	513,072.5	377,546.7	402,799.2	376,071.8	521,843.1	635,957.0	969,940.8	1,121,740.8	8,032,783.8 ▲
Associated	51,869.2	43,605.2	51,854.3	48,003.2	45,983.2	44,012.7	47,410.8	49,223.9	47,848.5	48,932.8	47,266.4	50,279.9	576,089.7 ▲
Totals	1,052,562.1	909,384.1	709,906.2	635,272.0	559,055.7	421,559.4	450,209.8	427,295.5	569,491.8	684,889.8	1,017,207.0	1,172,020.5	8,608,853.5

* => ASSOCIATED GAS
▲ = AMENDED

TABLE P11 - MONTHLY SUPPLY AND DISPOSITION OF CRUDE OIL/PENTANES PLUS, 1986

(VOLUMES in m3 at 15 C)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
BRITISH COLUMBIA PRODUCTION													
CRUDE OIL	171318.9	156706.0	176242.1	165832.4	165256.4	160176.6	168237.3	169839.6	168254.9	172972.7	168974.1	175639.0	2019450.0
FIELD CONDENSATE	1658.6	1428.6	996.0	827.5	942.0	705.9	2575.5	2127.3	1939.5	1052.3	1363.0	1863.4	17479.6
PLANT CONDENSATE	17559.3	14554.7	8695.5	7742.0	10037.7	8294.2	7303.6	15324.8	7847.6	9859.4	17494.6	16629.3	141342.7
TOTAL B.C.	190536.8	172689.3	185933.6	174401.9	176236.1	169176.7	178116.4	187291.7	178042.0	183884.4	187831.7	194131.7	2178272.3
ALBERTA IMPORTS													
PIPELINE	534995.1	570450.4	573557.6	727103.8	801189.4	671850.0	722029.3	682188.6	677773.6	666602.4	698596.3	689817.9	8016154.4
RAIL	4370.5	3627.3	3950.7	3939.6	4935.7	4716.5	4119.1	4744.1	3434.7	4284.1	4904.5	5249.2	52276.0
TOTAL ALBERTA	539365.6	574077.7	577508.3	731043.4	806125.1	676566.5	726148.4	686932.7	681208.3	670886.5	703500.8	695067.1	8068430.4
TOTAL SUPPLY	729902.4	746767.0	763441.9	905445.3	982361.2	845743.2	904264.8	874224.4	859250.3	854770.9	891332.5	889198.8	10246702.7
DISPOSITION													
INVENTORY CHANGES													
FIELD	-684.2	834.4	-1822.4	2122.8	-127.2	-1392.3	-79.6	-119.0	1114.6	-1367.8	-392.6	-507.0	-2420.3
PLANT	-5868.6	4636.6	-4986.0	4429.6	-914.3	-2886.5	-230.5	5037.0	-4529.9	38.4	3430.4	-1342.0	-3185.8
TRANSPORTERS	-124820.0	34878.7	41229.8	-24020.7	47197.5	-86409.2	13848.8	5246.2	-41498.0	69286.8	30572.9	22914.7	-11572.5
TOTAL	-131372.8	40349.7	34421.4	-17468.3	46156.0	-90688.0	13538.7	10164.2	-44913.3	67957.4	33610.7	21065.7	-17178.6
LOSSES & ADJUSTMENTS													
FIELD	10509.1	5509.3	1286.2	-289.7	386.6	171.0	1603.1	571.7	1588.4	3848.6	-3945.2	-4570.7	16668.4
PLANT	0.0	-12.0	-175.0	-68.0	-220.4	10.3	0.0	0.0	0.0	0.0	-31.0	-17.0	-513.1
TRANSPORTERS	-1817.5	-1197.2	920.7	407.7	-5514.8	-2841.5	408.1	-287.2	-2931.9	-2447.8	-1259.6	70.4	-16490.6
Total	8691.6	4300.1	2031.9	50.0	-5348.6	-2660.2	2011.2	284.5	-1343.5	1400.8	-5235.8	-4517.3	-335.3
TRANSFERS	0.0	0.0	56.9	-283.1	5365.0	4261.8	2225.6	2407.8	3082.5	1727.0	3475.1	92.0	22410.6
DELIVERIES TO B.C. REFINERIES													
B.C. PRODUCTION	206700.5	182431.2	188310.9	178378.2	185826.4	203086.2	209380.8	184711.0	217130.0	164838.6	212951.8	196562.8	2330308.4
ALBERTA PRODUCTION	471421.7	412421.9	396654.1	396578.8	439348.5	535331.9	550361.5	530223.1	548607.0	565794.0	461022.2	570526.9	5878291.6
TOTAL	678122.2	594853.1	584965.0	574957.0	625174.9	738418.1	759742.3	714934.1	765737.0	730632.6	673974.0	767089.7	8208600.0
TO EXPORT													
B.C. PRODUCTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALBERTA PRODUCTION	160391.1	102378.8	130512.0	345309.3	305588.6	190994.0	128353.6	139975.1	129282.7	49558.1	144222.3	84819.0	1911384.6
TOTAL	160391.1	102378.8	130512.0	345309.3	305588.6	190994.0	128353.6	139975.1	129282.7	49558.1	144222.3	84819.0	1911384.6
REPORTING ADJUSTMENT	14070.3	4885.3	11454.7	2880.4	5425.3	5417.5	-1606.6	6458.7	7404.9	3495.0	41286.2	20649.7	121821.4
TOTAL DISPOSITION	729902.4	746767.0	763441.9	905445.3	982361.2	845743.2	904264.8	874224.4	859250.3	854770.9	891332.5	889198.8	10246702.7

TABLE P11 _ MONTHLY SUPPLY AND DISPOSITION OF CRUDE OIL/PENTANES PLUS, 1986

(VOLUMES in m3 at 15 C)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
BRITISH COLUMBIA REFINERIES													
RECEIPTS													
BRITISH COLUMBIA CRUDE	208659.0	181566.5	188131.5	216766.9	190509.7	224888.8	211036.5	191382.8	234606.9	162658.1	251297.0	192071.3	2453575.0
BRITISH COLUMBIA CONDENSATE	0.0	0.0	56.9	0.0	5365.0	4261.8	2126.7	2308.0	3001.6	1614.2	0.0	0.0	18734.2
TOTAL	208659.0	181566.5	188188.4	216766.9	195874.7	229150.6	213163.2	193690.8	237608.5	164272.3	251297.0	192071.3	2472309.2
ALBERTA CRUDE	478755.3	468083.2	417771.7	388217.0	396516.7	458970.7	485775.2	444931.3	415395.4	432944.9	286546.8	466402.5	5140310.7
ALBERTA CONDENSATE	46197.0	26130.0	36239.0	53885.0	69205.0	60387.0	51002.0	77924.0	82312.0	79710.0	76718.0	61815.0	721524.0
TOTAL	524952.3	494213.2	454010.7	442102.0	465721.7	519357.7	536777.2	522855.3	497707.4	512654.9	363264.8	528217.5	5861834.7
TOTAL RECEIPTS	733611.3'	675779.7	642199.1	658868.9	661596.4	748508.3	749940.4	716546.1	735315.9	676927.2	614561.8	720288.8	8334143.9
DISPOSITION													
INVENTORY CHANGES	1686.8	6886.6	-6254.3	41049.3	-68006.4	34609.8	-7034.0	-6378.4	25988.5	3210.8	-7936.5	-9335.5	8486.7
LOSSES & ADJUSTMENTS	-3.0	-7261.0	-183.0	-85.9	-6.0	8.0	2.2	-12.3	61.4	46.0	30478.0	-17.0	23047.4
REFINERY RUN													
BRITISH COLUMBIA PRODUCTION	219043.6	185346.7	175716.3	203839.4	223491.0	215934.1	237757.4	185883.3	221303.9	170495.0	249012.7	194202.6	2482026.0
ALBERTA PRODUCTION	512883.9	490807.4	472920.1	414046.1	506117.8	497956.4	519214.8	537053.5	487962.1	503175.4	343007.6	535438.7	5820583.8
TOTAL	731927.5	676154.1	648636.4	617885.5	729608.8	713890.5	756972.2	722936.8	709266.0	673670.4	592020.3	729641.3	8302609.8
TOTAL DISPOSITION	733611.3	675779.7	642199.1	658868.9	661596.4	748508.3	749940.4	716546.1	735315.9	676927.2	614561.8	720288.8	8334143.9

TABLE P12 - SUPPLY AND DISPOSITION OF NATURAL GAS IN NORTHEASTERN B.C., 1986

(Volumes in 10/3m3 at 101.325 kPa at 15 C)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
BRITISH COLUMBIA PRODUCTION													
NON-ASSOCIATED GAS	999959.6	865641.6	655199.2	580506.8	482778.8	349410.0	395905.0	378071.6	521843.1	635957.0	969940.6	1122478.7	7957692.0
ASSOCIATED GAS	52573.7	43638.2	51458.4	47901.2	45983.2	43800.0	45098.5	49185.4	47648.5	48932.6	47266.4	50279.9	573766.0
LESS INJECTED	-2536.9	-2191.0	-2488.3	-2463.2	-4257.7	-3991.2	-2235.2	-4581.2	-3924.3	-4483.1	-4213.2	-4280.6	-41645.9
NET B.C. PRODUCTION	1049996.4	907088.8	704169.3	625944.8	524504.3	389218.8	438768.3	422675.8	565567.3	680406.5	1012993.8	1168478.0	8489812.1
IMPORTS TO NORTHEASTERN BRITISH COLUMBIA													
ALBERTA	153163.1	135870.0	53418.9	22087.2	42672.3	23558.8	32416.7	20018.0	37654.2	62244.3	38571.9	52137.6	673813.0
NORTHWEST TERRITORIES	26337.4	21371.4	19259.1	15143.7	14529.9	14117.4	14878.4	6668.4	13340.9	17164.1	13340.9	21129.9	197281.5
YUKON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL IMPORTS	179500.5	157241.4	72678.0	37230.9	57202.2	37676.2	47295.1	26686.4	50995.1	79408.4	51912.8	73267.5	871094.5
TOTAL SUPPLY	1229496.9	1064330.2	776847.3	663175.7	581706.5	426895.0	486063.4	449362.2	616562.4	759814.9	1064906.6	1241745.5	9360906.6
DISPOSITION													
FLARED -													
FIELD	10616.2	9200.1	10929.7	8449.3	8073.6	10593.9	11226.0	6767.8	9074.5	11350.9	8678.5	11159.7	116120.2
GATHERING SYSTEMS	128.5	323.7	129.6	136.8	297.3	203.7	943.7	32.8	65.6	123.5	131.7	196.2	2713.1
PLANTS	1121.1	1243.0	1065.2	917.8	901.8	1462.3	1668.3	1358.0	1814.4	2006.0	1976.4	974.6	16508.9
Total	11865.8	10766.8	12124.5	9503.9	9272.7	12259.9	13838.0	8158.6	10954.5	13480.4	10786.6	12330.5	135342.2
FUEL -													
FIELD	13801.9	12488.7	10620.6	9224.8	8495.2	6514.0	7414.2	9431.9	6972.9	8456.9	11763.4	14663.8	119848.3
COMPRESSOR	39.8	32.1	1365.5	1770.5	1333.9	1206.8	1428.2	2203.3	1542.5	2021.9	3013.6	2960.8	18918.9
PLANT	47922.4	42364.4	42581.8	37158.8	32325.0	25227.3	27036.5	17636.0	30827.0	39050.9	42993.5	47170.7	432294.3
Total	61764.1	54885.2	54567.9	48154.1	42154.1	32948.1	35878.9	29271.2	39342.4	49529.7	57770.5	64795.3	571061.5
LOSSES AND ADJUSTMENTS -													
FIELD	6165.4	4286.6	2160.1	-7351.5	2635.3	9787.6	25294.5	1646.9	4894.2	4545.7	-1781.2	14987.8	67271.4
GATHERING SYSTEM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLANTS	5325.1	8664.0	1763.8	4296.0	4406.1	481.1	-66.5	3905.4	3946.0	3013.1	5908.3	-4606.7	37035.7
Total	11490.5	12950.6	3923.9	-3055.5	7041.4	10268.7	25228.0	5552.3	8840.2	7558.8	4127.1	10381.1	104307.1
LINE PACK	887.7	-551.8	328.3	728.2	-1390.5	672.6	-736.0	1101.3	258.8	-1389.5	895.3	-185.3	619.1
PROCESSING SHRINKAGE	115928.2	99609.3	81483.3	75854.9	61640.5	39946.5	45997.0	22988.8	64733.6	88544.2	113083.4	131874.1	941683.8
REPORTING ADJUSTMENT	-2807.3	467.0	-1704.8	-6545.5	-27510.7	-23195.1	-30531.2	-1229.6	13200.2	11708.9	11077.9	10790.3	-46279.9
AVAILABLE MARKETABLE GAS IN NORTHEASTERN BRITISH COLUMBIA	1030367.9	886203.1	626124.2	538535.6	490499.0	353994.3	396388.7	383519.6	479232.7	590382.4	867165.8	1011759.5	7654172.8
TOTAL DISPOSITION	1229496.9	1064330.2	776847.3	663175.7	581706.5	426895.0	486063.4	449362.2	616562.4	759814.9	1064906.6	1241745.5	9360906.6

SUPPLY AND DISPOSITION OF GAS BY TRANSPORTERS IN BRITISH COLUMBIA

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
MARKETABLE GAS IN NORTHEASTERN B.C.	1030367.9	886203.1	626124.2	538535.6	490499.0	353994.3	396388.7	383519.6	479232.7	590382.4	867165.8	1011759.5	7654172.8
IMPORTS TO SOUTHEASTERN B.C.	1042553.4	759998.6	683013.1	621871.4	805135.8	775215.9	742284.6	754418.7	755077.3	932758.3	979804.0	1291501.9	10143633.0
TOTAL SUPPLY	2072921.3	1646201.7	1309137.3	1160407.0	1295634.8	1129210.2	1138673.3	1137938.3	1234310.0	1523140.7	1846969.8	2303261.4	17797805.8
DISPOSITION													
FUEL	31822.9	25673.2	10983.0	8857.4	9778.5	8649.3	7743.6	8540.7	10067.1	15051.1	30919.0	29870.9	197956.7
LOSSES AND ADJUSTMENTS	-1871.6	-2942.3	-4192.6	-1886.3	-3248.5	-598.8	-1280.9	-382.9	4726.8	-3287.7	-4862.6	5774.2	-14053.2
LINE PACK CHANGES	-419.7	-645.6	-5801.0	-665.6	5787.2	-11498.5	5672.2	-38.4	-527.9	1774.3	1641.9	3131.3	-1589.6
DELIVERIES TO B.C. DISTRIBUTORS													
NORTH	23742.2	22501.9	17671.6	13940.4	7076.7	4885.2	4737.2	4318.4	6400.5	8551.6	9577.3	4759.9	128162.9
INTERIOR	250162.0	236999.7	215714.8	175144.2	146777.7	130811.6	118008.0	109727.6	129633.6	138782.3	187103.2	211970.5	2050835.2
LOWER MAINLAND	300971.6	297214.6	256111.5	238908.1	169721.3	118951.9	124846.7	121571.5	147958.3	186554.5	323134.5	373895.7	2659840.2
TOTAL	574875.8	556716.2	489497.9	427992.7	323575.7	254648.7	247591.9	235617.5	283992.4	333888.4	519815.0	590626.1	4838838.3
DELIVERIES TO EXPORT													
BRITISH COLUMBIA GAS	427843.3	318176.3	139711.0	105230.0	157438.0	104495.1	136260.2	138138.4	187320.5	253327.1	340279.9	408575.6	2716795.4
ALBERTA GAS	1007330.3	730905.6	661362.3	606736.7	789925.4	760546.0	729250.0	742708.0	737638.4	907131.2	943905.8	1249603.2	9867042.9
N.W.T. GAS	33825.5	19875.4	17911.0	14083.6	14083.6	13129.2	13836.9	9872.3	12407.0	15962.7	16112.4	12783.5	193883.1
TOTAL	1468999.1	1068957.3	818984.3	726050.3	961447.0	878170.3	879347.1	890718.7	937365.9	1176421.0	1300298.1	1670962.3	12777721.4
REPORTING ADJUSTMENT	-485.2	-1557.1	-334.3	58.5	-1705.1	-160.8	-400.6	3482.7	-1314.3	-706.6	-841.6	2896.6	-1067.8
TOTAL DISPOSITION	2072921.3	1646201.7	1309137.3	1160407.0	1295634.8	1129210.2	1138673.3	1137938.3	1234310.0	1523140.7	1846969.8	2303261.4	17797805.8

SUPPLY AND DISPOSITION OF GAS BY DISTRIBUTORS IN BRITISH COLUMBIA

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
NATURAL GAS AND L.P. GAS													
FROM TRANSPORTERS	576131.3	539143.6	491706.4	431369.9	321476.9	251271.5	243868.7	229240.9	281930.4	323090.0	491950.9	567611.4	4768791.9
FROM STORAGE	0.0	1971.8	291.0	232.0	231.0	249.0	240.0	262.0	0.0	0.0	232.0	374.0	4082.8
OTHER RECEIPTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL SUPPLY	576131.3	561115.4	491997.4	431601.9	321707.9	251520.5	244108.7	229502.9	281930.4	323090.0	492182.9	567985.4	4772874.7
DISPOSITION													
FUEL	3459.9	3156.5	3080.8	2432.5	1333.9	1399.7	995.2	1256.8	930.8	835.5	2637.5	3463.7	24982.8
LOSSES AND ADJUSTMENTS	-53543.7	11986.3	-17542.1	770.9	-45930.5	-52803.6	-577.8	-7229.1	33867.6	45635.8	128159.8	82734.5	125528.1
LINE PACK CHANGES	12.8	15.0	102.1	-335.1	-228.8	798.8	-935.0	-139.4	-626.3	-341.6	1138.7	-466.2	-1005.0
TO STORAGE	3428.0	0.0	0.0	0.0	0.0	0.0	0.0	18611.8	17503.0	2831.0	0.0	0.0	42373.8
SALES													
RESIDENTIAL	233386.9	200926.6	167064.3	144389.4	117690.0	82077.3	51945.5	45454.8	43329.9	66885.4	107122.1	158340.7	1418612.9
COMMERCIAL	193808.4	160424.9	144520.9	120683.1	104787.3	70035.5	54531.7	47920.9	50432.5	72742.2	111203.8	146655.1	1277746.3
INDUSTRIAL	193174.5	182422.3	192570.6	161841.6	142379.6	148402.4	136560.0	122096.0	135110.1	133121.0	140245.7	175291.4	1863215.2
ELECTRIC POWER	2404.5	2183.8	2200.8	1819.5	1676.4	1610.4	1589.1	1531.1	1382.8	1380.7	1675.3	1966.2	21420.6
TOTAL	622774.3	545957.6	506356.6	428733.6	366533.3	302125.6	244626.3	217002.8	230255.3	274129.3	360246.9	482253.4	4580995.0
TOTAL DISPOSITION	576131.3	561115.4	491997.4	431601.9	321707.9	251520.5	244108.7	229502.9	281930.4	323090.0	492182.9	567985.4	4772874.7
REVENUE	$97,303,917	$85,978,519	$82,769,121	$65,838,122	$56,847,034	$45,615,524	$36,791,652	$34,079,390	$34,779,856	$42,360,229	$51,841,372	$65,866,535	$700,071,271

TABLE P13 - MONTHLY SUPPLY and DISPOSITION of PROPANE, 1986

(VOLUMES in e3 at 15 C)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
BRITISH COLUMBIA PRODUCTION													
PLANT	23395.8	17538.9	14744.3	14144.1	17365.4	14708.0	15964.6	22638.8	10744.7	14108.8	25494.4	18214.6	209062.4
REFINERY	13864.4	12276.6	11156.2	9321.7	9679.5	11784.6	9748.7	10396.4	9972.7	6784.7	8677.5	9158.6	122821.6
TOTAL B.C	37260.2	29815.5	25900.5	23465.8	27044.9	26492.6	25713.3	33035.2	20717.4	20893.5	34171.9	27373.2	331884.0
ALBERTA IMPORTS	14312.5	15873.9	15770.0	10822.7	12817.3	10969.5	12494.1	10481.3	14320.6	22415.0	16944.1	16851.6	174072.6
TOTAL SUPPLY	51572.7	45689.4	41670.5	34288.5	39862.2	37462.1	38207.4	43516.5	35038.0	43308.5	51116.0	44224.8	505956.6
DISPOSITION													
INVENTORY CHANGES	-1707.2	-39.6	1977.5	-2011.5	-908.4	-27.5	2343.5	4765.1	-5981.2	-340.8	7000.3	-4433.7	636.5
TRANSFERS	-1644.9	-992.9	-1153.1	-963.9	-1106.9	-415.1	-884.7	-633.2	-988.2	-1514.4	-1892.2	-1850.7	-14040.2
LOSSES & ADJUSTMENTS	147.0	633.0	450.2	573.5	1944.4	3139.8	741.6	1018.3	644.6	53.0	214.1	-76.1	9483.4
SALES OF B.C. PRODUCTION	40465.3	30215.0	24625.9	25867.7	27115.8	23795.4	23512.9	27885.0	27042.2	22695.7	28849.7	33733.7	335804.3
SALES OF ALBERTA PRODUCTION													
BRITISH COLUMBIA	14312.5	15873.9	15770.0	10822.7	12817.3	10969.5	12494.1	10481.3	14320.6	22415.0	16944.1	16851.6	174072.6
OFFSHORE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14312.5	15873.9	15770.0	10822.7	12817.3	10969.5	12494.1	10481.3	14320.6	22415.0	16944.1	16851.6	174072.6
TOTAL SALES	54777.8	46088.9	40395.9	36690.4	39933.1	34764.9	36007.0	38366.3	41362.8	45110.7	45793.8	50585.3	509876.9
TOTAL DISPOSITION	51572.7	45689.4	41670.5	34288.5	39862.2	37462.1	38207.4	43516.5	35038.0	43308.5	51116.0	44224.8	505956.6

TABLE P14 - MONTHLY SUPPLY and DISPOSITION of BUTANES, 1986

(VOLUMES in m3 at 15 C)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
BRITISH COLUMBIA PRODUCTION													
PLANT	13826.0	9550.3	7761.4	7228.8	8488.5	6683.8	7391.2	11424.2	7219.2	8995.3	14595.1	12385.6	114957.0
REFINERY	2044.9	1325.4	2309.6	3731.9	5316.7	2806.8	7502.3	6572.5	1938.3	178.8	2107.6	706.1	36531.9
TOTAL B.C.	15870.9	10875.7	10071.0	10960.7	13805.2	9490.6	14893.5	17996.7	9157.5	9174.1	16702.7	13091.7	151488.9
ALBERTA IMPORTS	1440.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	855.1	3140.3	4427.6	4318.1	14181.8
TOTAL SUPPLY	17311.6	10875.7	10071.0	10960.7	13805.2	9490.6	14893.5	17996.7	10012.6	12314.4	21130.3	17409.8	165670.7
DISPOSITION													
INVENTORY CHANGES	646.2	-211.9	-1009.5	-907.5	1795.7	-290.8	-211.1	2868.9	-966.9	-853.7	1383.4	-2204.8	51.2
TRANSFERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GASOLINE BLENDING	3896.6	1435.1	1094.7	1032.4	967.5	959.7	550.0	797.9	1729.3	2708.2	3727.2	3521.5	22614.5
LOSSES & ADJUSTMENTS	0.1	0.0	7.9	0.0	-1144.2	-2414.0	0.1	22.9	94.6	4.0	-263.8	26.0	-3675.4
SALES OF B.C. PRODUCTION	11328.0	9652.5	9177.9	10835.8	12186.2	11235.7	14554.5	14307.0	8300.5	7315.6	11855.9	11749.0	132498.6
SALES OF ALBERTA PRODUCTION	1440.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	855.1	3140.3	4427.6	4318.1	14181.8
TOTAL SALES	12768.7	9652.5	9177.9	10835.8	12186.2	11235.7	14554.5	14307.0	9155.6	10455.9	16283.5	16067.1	146680.4
TOTAL DISPOSITION	17311.6	10875.7	10071.0	10960.7	13805.2	9490.6	14893.5	17996.7	10012.6	12314.4	21130.3	17409.8	165670.7

TABLE P15 MONTHLY SUPPLY and DISPOSITION of SULPHUR, 1984

(Volumes in Metric Tonnes)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
SUPPLY													
BRITISH COLUMBIA PRODUCTION---	34960.4	29784.1	22755.5	19298.8	17552.3	7811.6	8711.4	7458.6	14075.7	26085.8	36537.9	40844.8	265876.9
DISPOSITION													
INVENTORY CHANGE----------	-430.2	-226.5	1770.8	-673.2	-786.5	132.9	-373.3	314.1	53.7	-81.5	512.6	-932.3	-719.4
SALES													
NORTH AMERICA-------	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFFSHORE----------	35390.6	30010.6	20984.7	19972.0	18338.8	7678.7	9084.7	7144.5	14022.0	26167.3	36025.3	41777.1	266596.3
TOTALS----------	35390.6	30010.6	20984.7	19972.0	18338.8	7678.7	9084.7	7144.5	14022.0	26167.3	36025.3	41777.1	266596.3
TOTAL DISPOSITION	34960.4	29784.1	22755.5	19298.8	17552.3	7811.6	8711.4	7458.6	14075.7	26085.8	36537.9	40844.8	265876.9

Table P16 - Crude-oil Pipelines, 1986

Company	Field Served	Size, mm	Length, km	Pumping Stations No.	Present Capacity m^3/day	Gathering Capacity	Lines km	Throughput m^3/day	Storage Capacity m^3
Canterra Energy Limited.....	Inga.....	168.3	5.1	2	1 240	--	--	120	--
		114.3	14.0	--	1 590	1 590	22.2	210	--
		88.9	3.2	1	254	--	--	45	--
Norcen Energy Resources Limited.....	Beatton River, Beatton River West, Boundary Lake, Bulrush, Current, Eagle, Milligan Creek, Pesjey, Weasel, Wildmint, Willow, Wolf.	--	--	34	22 409	10 256[1]	52.0	4 478	22 260
		323.9	62.9	--	--	7 154[2]	--	--	--
		219.1	168.9	--	--	--	--	--	--
		168.3	72.4	--	--	--	--	--	--
		114.3	152.8	--	--	--	--	--	--
Suncor Inc.....	Aitken Creek, Blueberry.....	323.9	3.8	--	--	--	--	--	--
		219.1	1 002.0	1	795	1 908	62.4	265	10 334
	Fort St. John.....	--	--	--	--	--	--	29	159
	Inga.....	168.3	2.7	1	1 987	1 987	--	653	--
	Stoddart.....	--	--	--	--	--	--	12	--
Westcoast Petroleum Ltd.....	.....	323.9	819.8	12	11 129	11 129	--	4 500	93 167

1 Boundary Lake
2 Terminal to Westcoast Petroleum Ltd.

Table P17 - Crude-oil Refineries, 1986

Name	Location	Type	Year of First Operation	Source of Crude	Crude Oil Capacity m^3/calender day	Storage Capacity m^3	Cracking Plant Units	Cracking Capacity m^3/calender day	Other Units
Chevron Canada Ltd.	North Burnaby	Complete	1936	B.C. and Alberta	5 960	309 390	Catalytic fluid	2 070	Catalytic polymerization, catalytic reformer, lube-oil blending plant, asphalt, sulphur recovery.
Husky Oil Operations Ltd.	Prince George	Complete	1967	B.C.	1 510	171 750	Catalytic fluid	480	Unifiner, reformer, asphalt, sulphur, gas concentration.
Imperial Oil Limited	Ioco	Complete	1915	B.C. and Alberta	6 800	448 052	Catalytic fluid	2 000	Catalytic polymerization, power-former toluene extraction, sulphur, LPG plant, desulphurization.
Petro Canada Products Inc.	Port Moody	Complete	1958	B.C. and Alberta	5 910	284 930	Catalytic fluid	1 960	Catalytic reformer, distillate, desulphurization, alkylation sulphuric acid, naptheadesulphurization, merox, sulphur.
	Taylor	Complete	1960	B.C.	2 860	202 000	Catalytic fluid	980	H. F. alkylation, asphalt, pentane splitter, platformer unifiner, HDS unit, DDS unit, vacuum distillation.
Shell Canada Limited	North Burnaby	Complete	1932	B.C. and Alberta	3 820	348 000	Catalytic fluid	978	Catalytic polymerization, platformer, vacuum flashing, solvent fractination, distillate hydrotreater, sulphur recovery, asphalt.

Table P18 - Natural Gas Pipelines, 1986

Company	Source of Natural Gas	Transmission Lines		Compressor Stations		Daily Capacity $10^3 m^3$	Gathering and Distribution Lines		Areas Served by Distributors
		Size mm	km	No.	Power Watts 10^6		Size mm	km	
Pacific Northern Gas Ltd.	Westcoast Transmission Co. Ltd.	323.9	62.2	4	15.67	2 776.1	--	--	
		266.7	495.6	--	--	--	168.3	7.6	
		219.1	153.1	--	--	--	114.3	27.3	
		168.3	57.8	--	--	--	88.9	42.8	
		114.3	23.8	--	--	--	60.3	163.5	
		88.9	70.6	--	--	--	42.2	146.2	
		73.0	28.8	--	--	--	26.7	92.1	
		60.3	70.6	--	--	--	21.3	1.2	
		42.2	7.6	--	--	--	--	--	
Peace River Transmission Company Limited	Westcoast Transmission Co. Ltd.	168.3	8.9	--	--	340.0	114.3	38.1	Fort St. John
		114.3	41.0	--	--	--	88.9	14.0	
		--	--	--	--	--	73.0	5.8	
		60.3	1.8	--	--	--	60.3	182.0	
		--	--	--	--	--	48.3	58.7	
		--	--	--	--	--	42.2	5.1	
		--	--	--	--	--	33.4	65.3	
		--	--	--	--	--	26.7	33.0	
Westcoast Transmission Co. Ltd.	Alberta	406.0	50.6	--	--	6 057.0	--	--	
		660.0	58.9	--	--	--	--	--	
	Taylor-Willow Flats	762.0	122.8	--	--	--	--	--	
		914.0	37.3	--	--	--	--	--	
	Fort Nelson-Willow Flats	762.0	355.0	4	69.65	24 173.0	--	--	
		914.0	73.2	--	--	--	--	--	
	Aitken Creek	--	--	--	--	--	323.9	31.2	

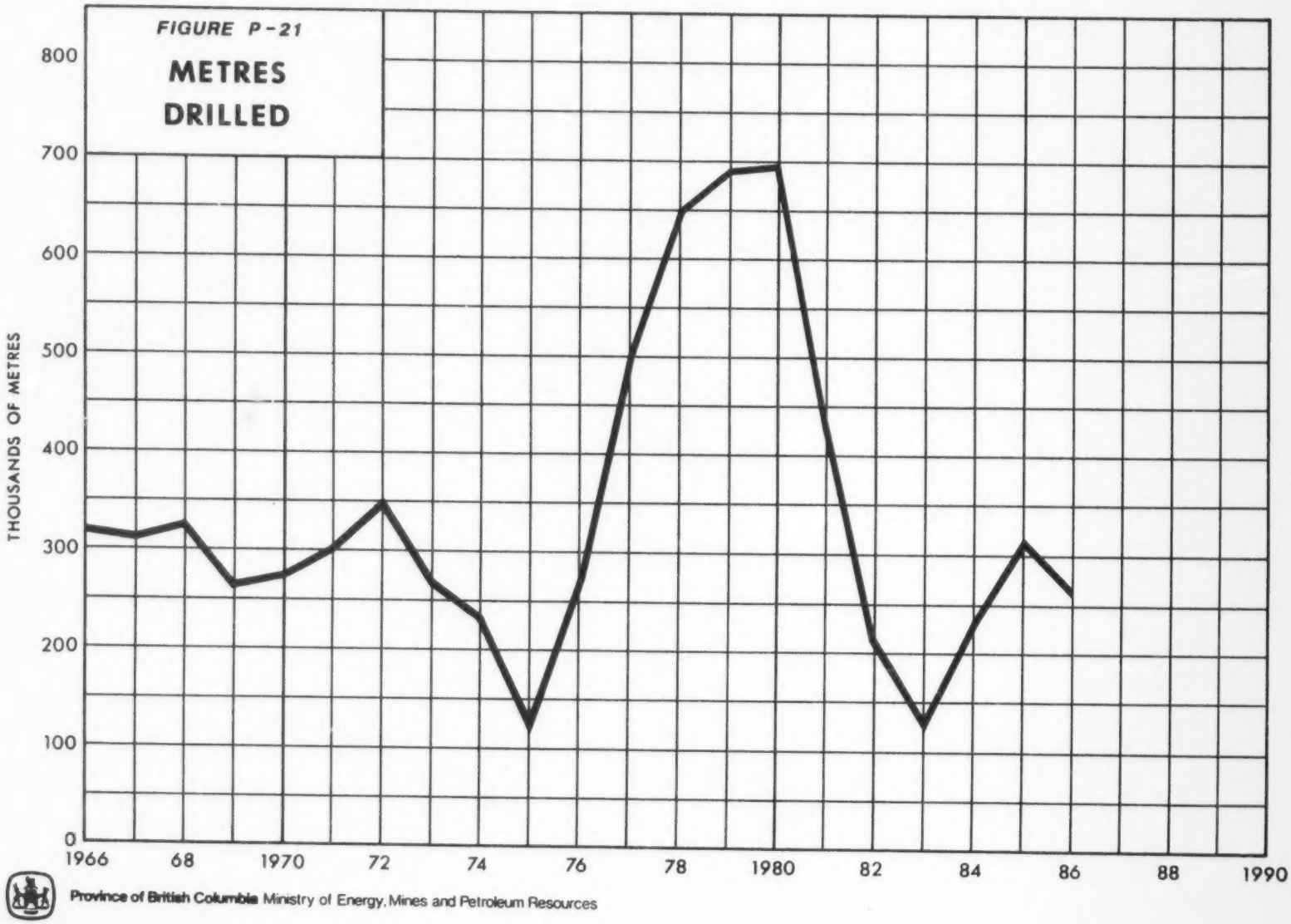
Table P19 - Gas-processing Plants, 1986

Operator	Location	Fields Served	Plant Type	Year of First Operation	Plant Capacity 10^3m^3/Day		Natural Gas	Residual Gas to-
					In	Out		
BP Exploration Canada Limited	Unit 77, Block E, NTS Map 93-P-3	Bullmoose.....	Inlet separator, Mole sieve, dehydration, DEA glycol fuel gas treating	1980	2 002	1 974	.....	Westcoast Transmission Co. Ltd.
BP Exploration Canada Limited	Unit 65, Block B, NTS Map 93-P-5	Sukunka and Sukunka West.....	Inlet separator, Mole sieve, dehydration, DEA glycol fuel gas treating	1980	2 564	2 536	.....	Westcoast Transmission Co. Ltd.
Esso Resources Canada.....	SE 1/4, Sec. 2 Tp. 85, Rge. 14 W6M	Boundary Lake.....	Inlet separator, MEA absorption, treating glycol absorption, dehydration, combined refrigeration and oil absorption, natural gas liquid recovery	1964	590	480	Propane plus mixture	Westcoast Transmission Co. Ltd.
Mobil Oil Canada Ltd.	Unit 91, Block D, NTS Map 94-I-14	Sierre and Sahtaneh.....	Inlet separator, dry desiccant dehyration	1969	8 761	8 705	.....	Westcoast Transmission Co. Ltd.
Oakwood Petroleums Ltd.....	Unit 74, Block G, NTS Map 93-I-15	Grizzly North, Unit 1.....	Inlet separator, TEG dehydration, inlet compression	1978	405	405	.....	Westcoast Transmission Co. Ltd.
	Unit 74, Block G, NTS Map 93-I-15	Grizzly North, Unit 2.....	Inlet separator, molecular sieve, dehydration	1980	2 400	2 400	.....	Westcoast Transmission Co. Ltd.
	Unit 25, Block A, NTS Map 93-I-15	Grizzly South.....	Inlet separator, TEG dehyrdration, inlet compression	1978	405	405	.....	Westcoast Transmission Co. Ltd.
Petro-Canada Products Inc....	Sec. 36, Tp. 82, Rge. 18, W6M	All B.C. producing gas fields except Parkland and Boundary Lake that are between 56° and 58° latitude	Inlet separator, MEA treating, dry desiccant dehyrdration, oil absorption, distillation	1957	15 580	15 580	Condensate, pentanes plus, propanes, butanes	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co. Ltd.	NW 1/4 Sec. 10 Tp. 85, Rge.14, W6M	Boundary Lake.....	MEA absorption dehyrdration	1961	283	283	Condensate	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co. Ltd.	Unit 85, Block G, NTS Map 94-J-10	All B.C. producing gas fields including Sierre and Sahtaneh north of 58° latitude	Potassium carbonate, MEA DEA absorption, dehydration	1965	23 795	23 795	.....	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co. Ltd.	Unit 85, Block D, NTS Map 93-P-12	Grizzly, Sukunka, and Bullmoose	Sulfinol gas sweetening dehydration	1980	4 250	4 250		

Table P20 - Sulphur Plants, 1986

Name	Location	Material	Principal Product	Year of First Operation	Capacity Tonnes/Day
Westcoast Transmission Co. Ltd.	Taylor	Hydrogen sulphide	Sulphur	1957	465
Westcoast Transmission Co. Ltd.	Fort Nelson	Hydrogen sulphide	Sulphur	1976	675
Westcoast Transmission Co. Ltd.	Pine River	Hydrogen sulphide	Sulphur	1980	1 075

FIGURE P-21



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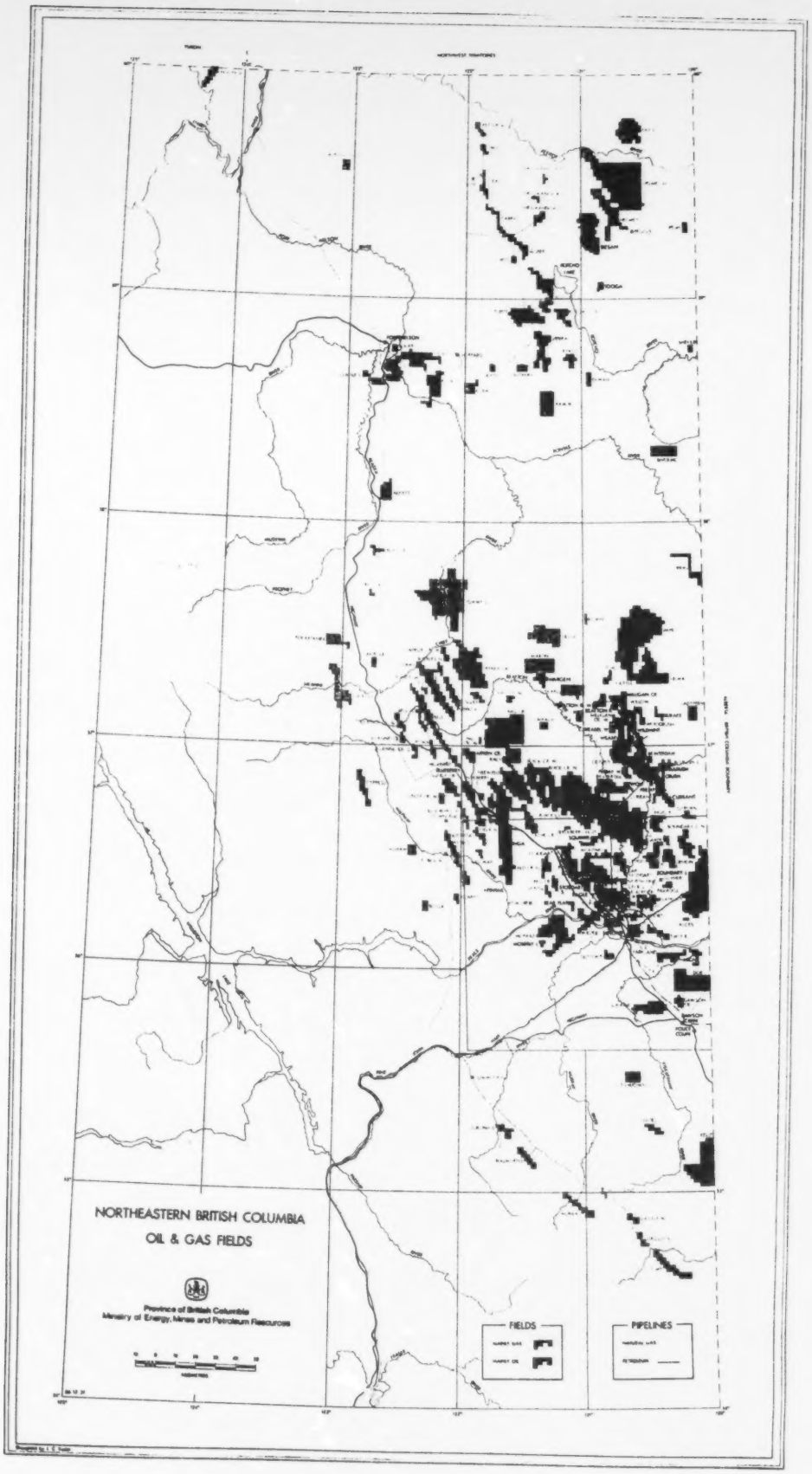
NORTHEASTERN BRITISH COLUMBIA
OIL & GAS FIELDS
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
FIELDS
PIPELINES

FIGURE P-23

WELLS DRILLED

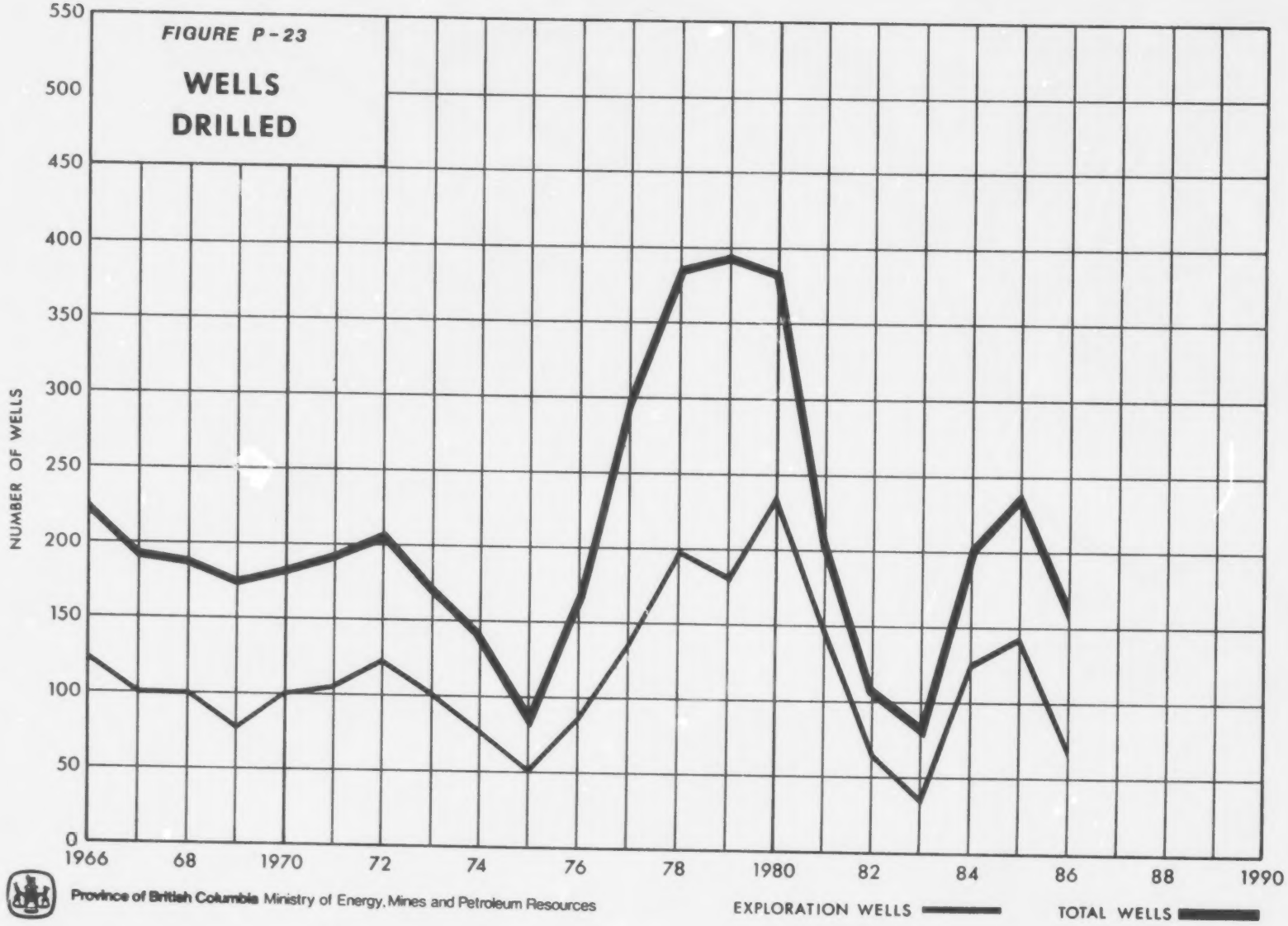

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FIGURE P-24

GEOPHYSICAL CREW WEEKS

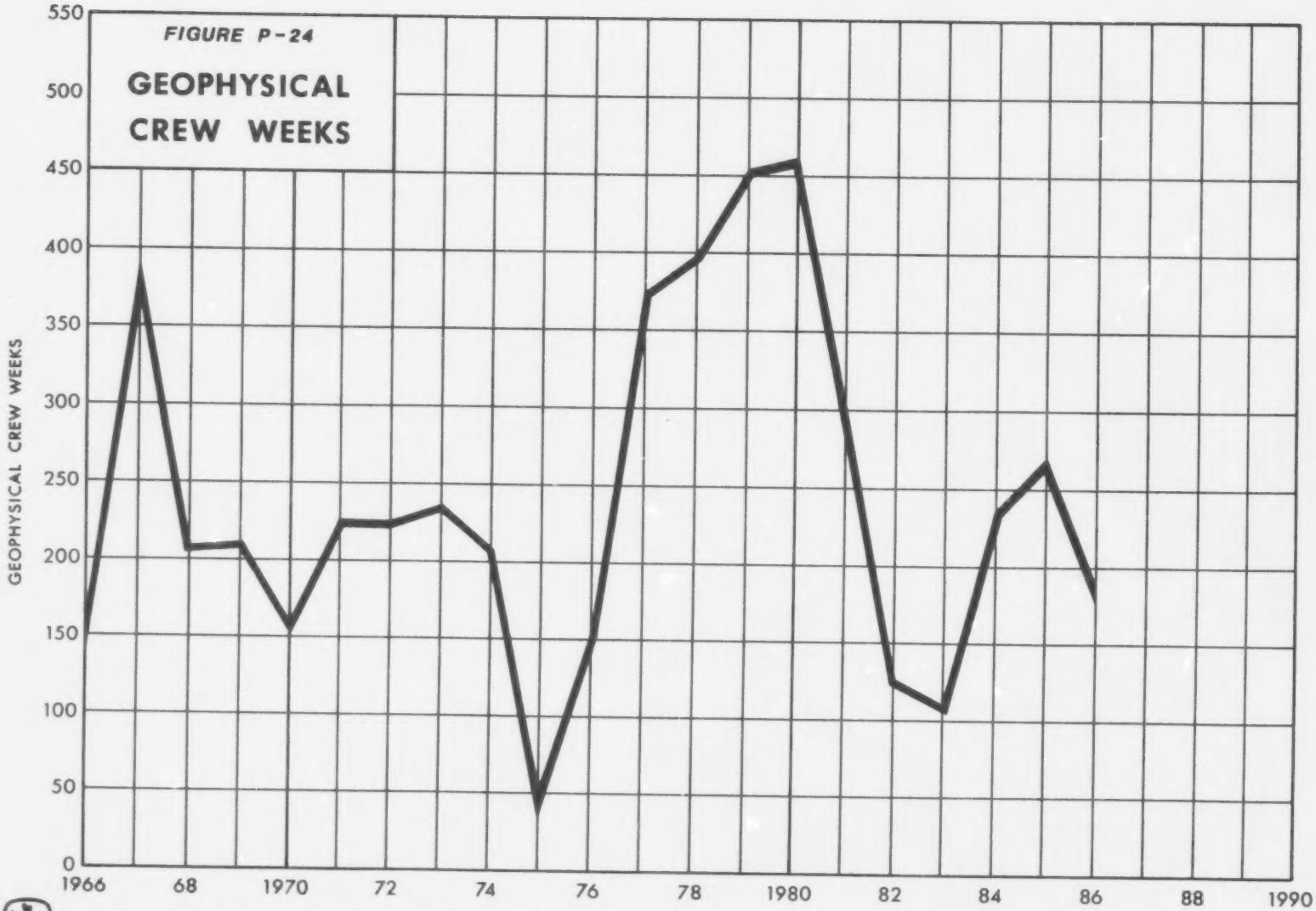

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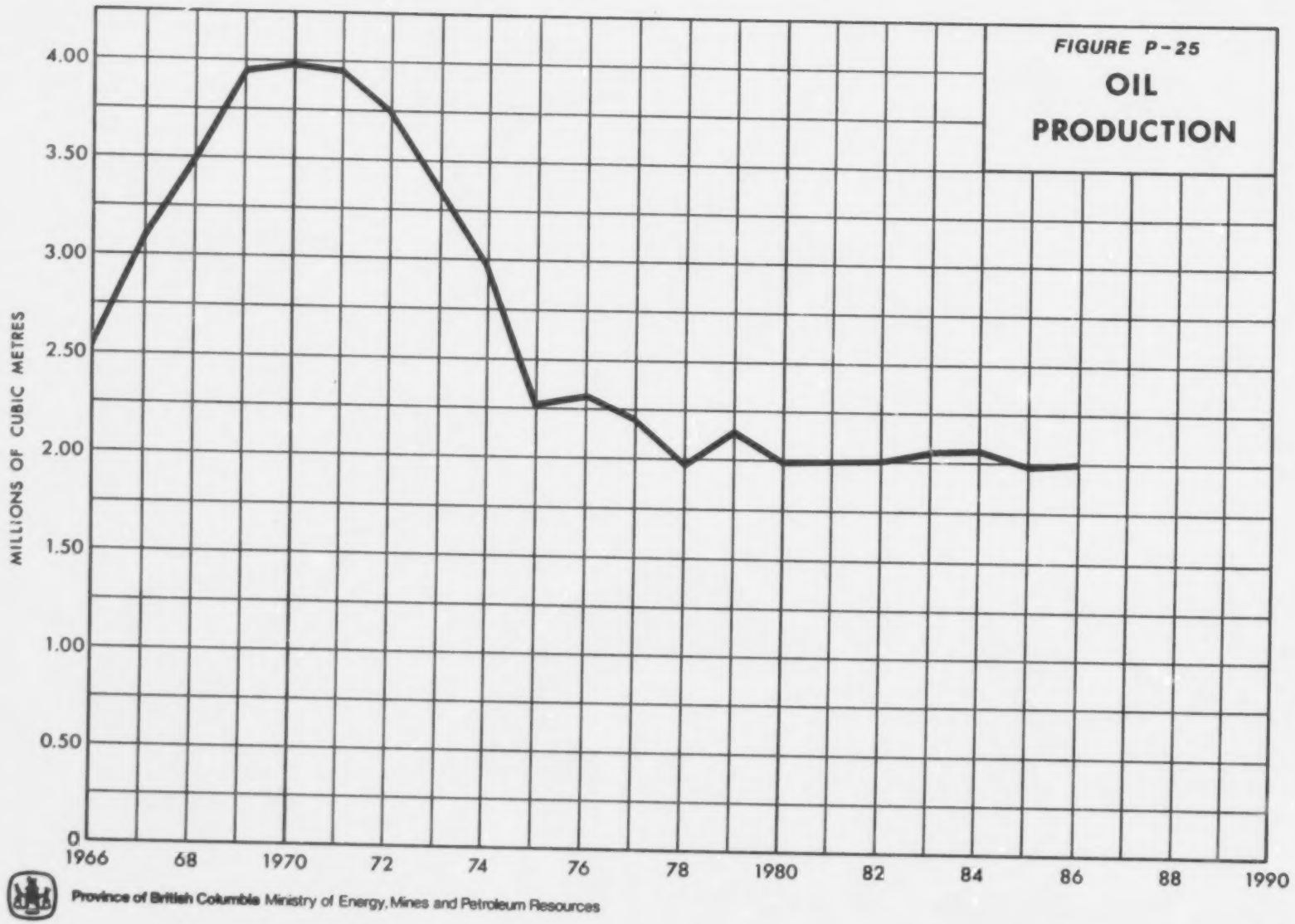
FIGURE P-25

OIL PRODUCTION



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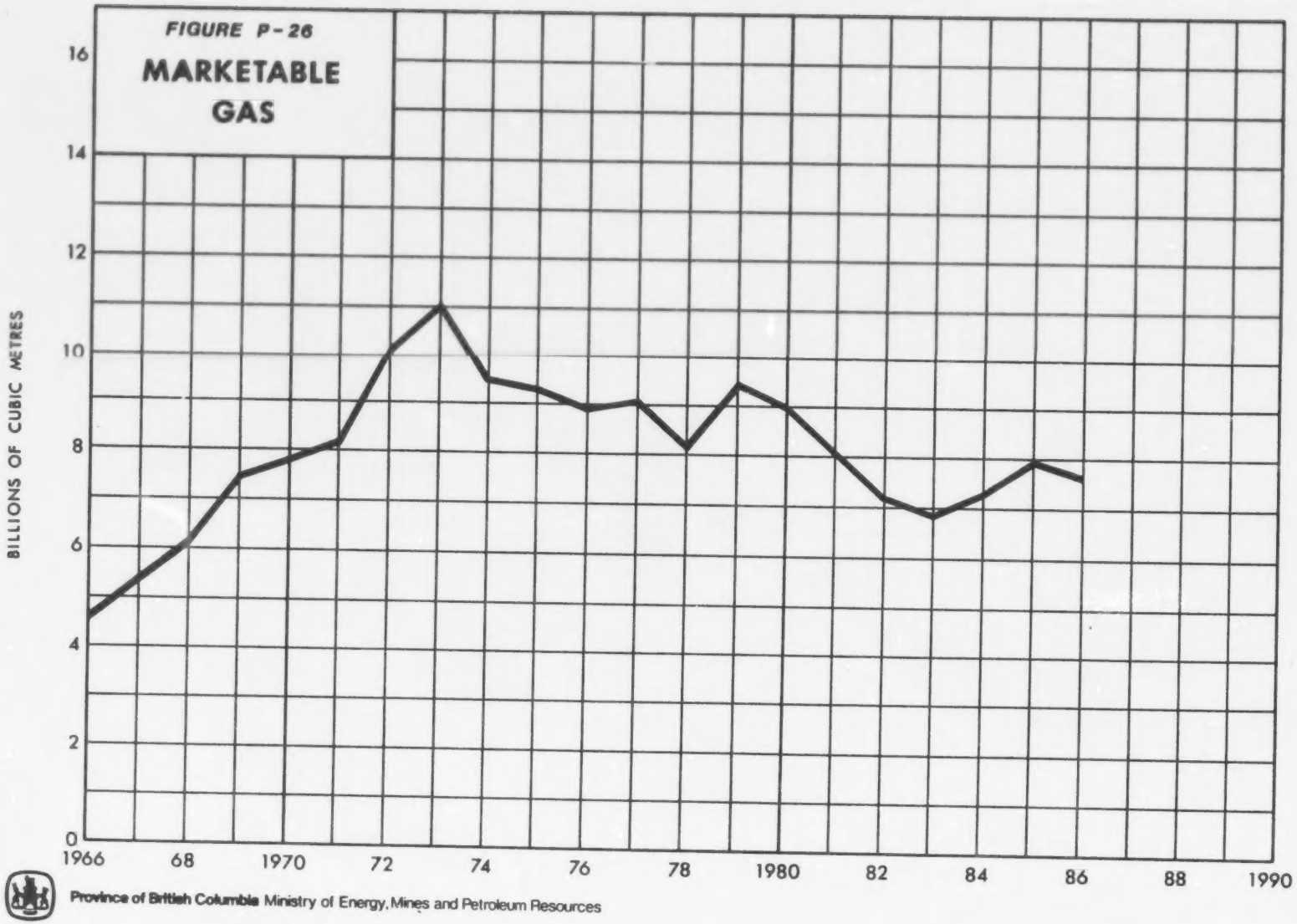
FIGURE P-26
MARKETABLE GAS
BILLIONS OF CUBIC METRES
0
2
4
6
8
10
12
14
16
1966
68
1970
72
74
76
78
1980
82
84
86
88
1990
Province of British Columbia Ministry of Energy, Mines and Petroleum Resources

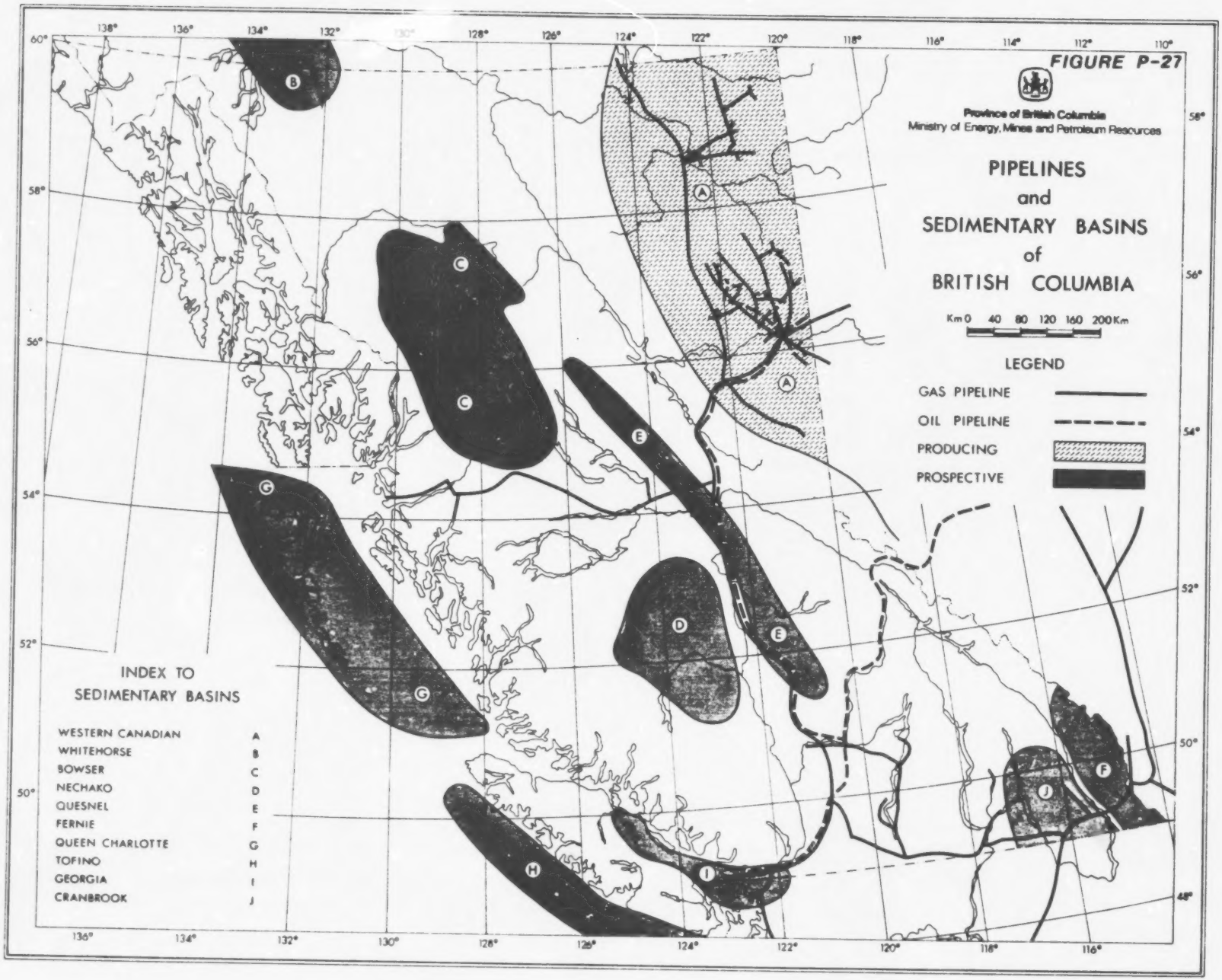
FIGURE P-27
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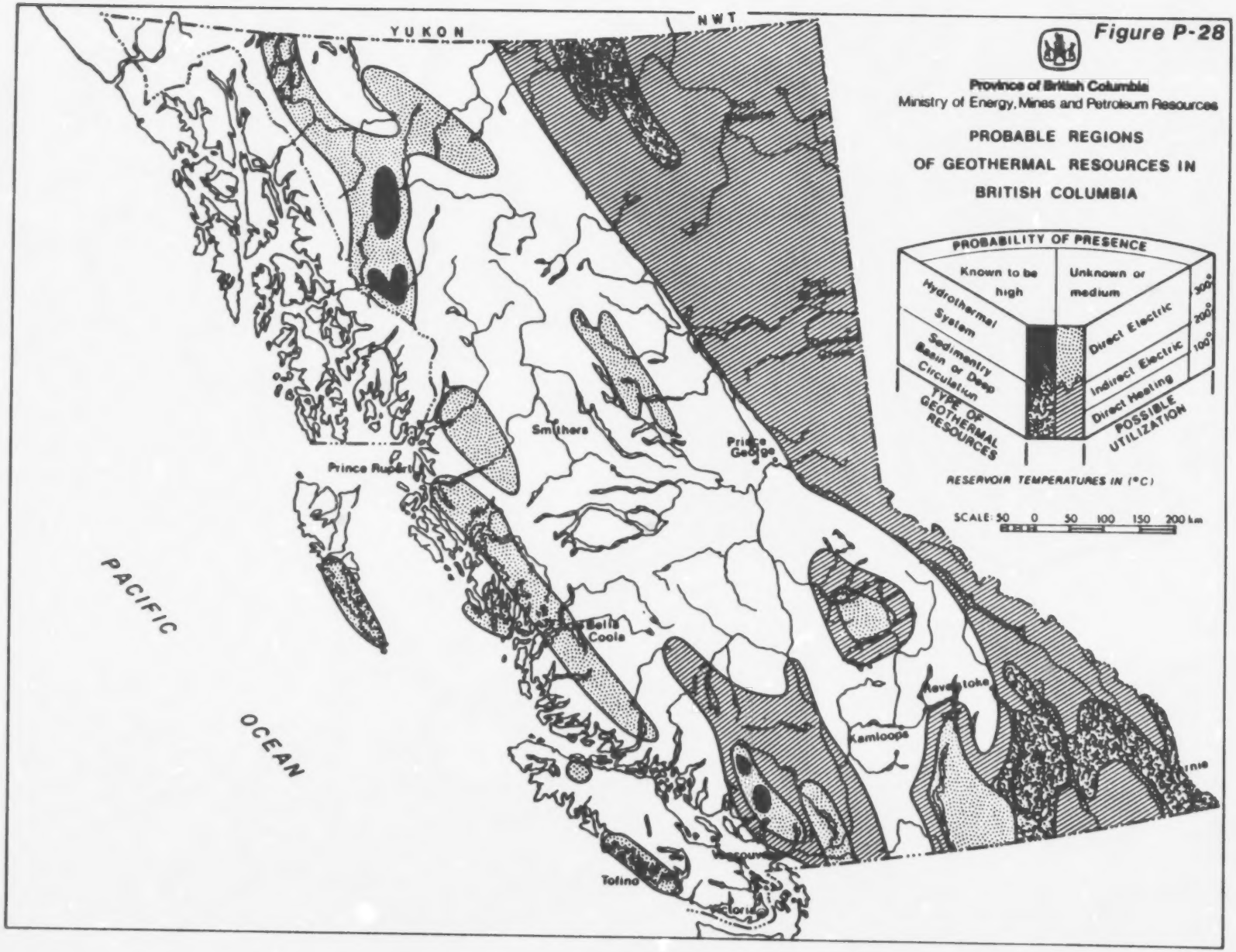
PIPELINES
and
SEDIMENTARY BASINS
of
BRITISH COLUMBIA
Km 0 40 80 120 160 200 Km
LEGEND
GAS PIPELINE
OIL PIPELINE
PRODUCING
PROSPECTIVE
INDEX TO
SEDIMENTARY BASINS
WESTERN CANADIAN A
WHITEHORSE B
BOWSER C
NECHAKO D
QUESNEL E
FERNIE F
QUEEN CHARLOTTE G
TOFINO H
GEORGIA I
CRANBROOK J
138° 136° 134° 132° 130° 128° 126° 124° 122° 120° 118° 116° 114° 112° 110°
60° 58° 56° 54° 52° 50° 48°


YUKON
NWT
PACIFIC
OCEAN
Smithers
Prince George
Prince Rupert
Bella Coola
Kamloops
Tofino
Victoria
Figure P-28
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
PROBABLE REGIONS
OF GEOTHERMAL RESOURCES IN
BRITISH COLUMBIA
PROBABILITY OF PRESENCE
Known to be high
Unknown or medium
Hydrothermal System
Sedimentry Basin or Deep Circulation
TYPE OF GEOTHERMAL RESOURCES
Direct Electric
Indirect Electric
Direct Heating
POSSIBLE UTILIZATION
300°
200°
100°
RESERVOIR TEMPERATURES IN (°C)
SCALE: 50 0 50 100 150 200 km